



2019 MARCQI Annual Report Specifications Document

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Introduction

This document provides supplemental information to the 2019 MARCQI annual report for **only** the hip and knee chapters. It also provides details on figures and table as well as catalog numbers for implants included in the analysis of individual products and product combinations. That is, pages 43 through 128 contain the catalog numbers for the hip implant-specific reporting pages of the annual report (pages 14-73, 75-122, 124-149, 154-155). Similarly, pages 168-235 provide catalog numbers for knee implant-specific reports found on pages 164-220, 227-234 of the annual report.

Specifications for hip chapter

Section 2.1 All THA Cases

Subsection 2.2.1. Descriptive statistics

Figure 10: THA cases over time.

Description of figure	Line drawing showing cumulative THA cases (primary + revision) over time by year.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	All TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Figure 11: Percent of THA arthroplasty cases by primary or revision.

Description of figure	This is a pie chart that gives the percentage of primary and revision THA cases. It is used to give the reader a general sense of this breakdown before we clearly state that the rest of the chapter will focus on primary procedures and – where appropriate – time to first revision.
Inclusion criteria	All THA cases, including conversion and resurfacing
Exclusion criteria	All TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Table 1: Descriptive statistics of primary THA patients.

Description of figure	Descriptive statistics for those patients having THA.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	TKA, UKA, and PFJ cases; revision THA cases
Time window	2/15/2012 to 12/31/18

Figure 12: Percent of primary THA cases by sex.

Description of figure	Percent of primary THA cases by sex.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) TKA cases, (2) revision hip cases, (3) UKA cases, (4) PFJ cases
Time window	2/15/2012 to 12/31/18

Figure 13: Age distribution of primary THA cases by sex.

Description of figure	Histogram showing percentage breakdown of primary THA cases by sex over age. X-axis is age. Plot three lines: male, female, and unknown. Unknown may be so small we should exclude it (approx. 0.06% overall). Denominator for each line is the number of that sex. For example, the point at 20 years of age for males would be the number of males aged 20 divided by the total number of males.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases
Time window	2/15/2012 to 12/31/18

Figure 14: Percent of primary THA cases by approach.

Description of figure	Bar chart. Percent of THA cases using approach. Categories are: anterior, anterolateral, posterior, transtrochanteric, and unknown/other
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases
Time window	2/15/2012 to 12/31/18

Figure 15: Percent of primary THA cases by diagnosis.

Description of figure	Bar chart showing percent of THA cases by diagnosis. Categories include: avascular necrosis, diagnosis coding missing, error, excluded cases, inflammatory arthritis, osteoarthritis, other, post-infection arthritis, revision diagnosis, secondary arthritis, and traumatic arthritis.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases
Time window	2/15/2012 to 12/31/18

Figure 16: Percent of primary THA cases by ASA class.

Description of figure	Bar chart showing percent of THA cases by ASA class. Categories are ASA I, ASA II, ASA III, ASA IV, ASA V, and Unknown
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases
Time window	2/15/2012 to 12/31/18

Figure 17: Percent of primary THA patients (first case) by thrombosis prophylaxis.

Description of figure	Pie chart showing percent of patients (first case) by thrombosis prophylaxis. Categories include aspirin, anticoagulation, both, and none.
Inclusion criteria	All primary THA cases being the first primary THA case for each patient, including conversion and resurfacing.
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) primary THA cases that are not the first primary THA for the patient
Time window	2/15/12 to 12/31/18

Figure 18: Percent of primary THA cases by procedure.

Description of figure	Percent of THA cases by type of procedure. Categories include conventional, conversion, and resurfacing.
Inclusion criteria	All primary THA cases, including conversion and resurfacing
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases
Time window	10/1/15 to 12/31/18

Section 2.2. Conventional THA cases

Subection 2.2.1 Most commonly used conventional THA implants

Table 2: Ten most commonly used femoral components in primary total conventional THA.

Description of figure	Top 10 most commonly used femoral THA components used in primary conventional THA cases.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Table 3: Ten most commonly used acetabular components in primary total conventional THA.

Description of figure	Top 10 most commonly used acetabular shells used in primary conventional THA cases.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Table 4: Ten most commonly used femoral/acetabular component combinations used in primary total conventional THA.

Description of figure	Top ten most commonly used stem/cup combinations used in primary conventional THA cases.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Figure 19: Percentage of polyethylene liners by type of polyethylene for primary conventional THA.

Description of figure	Distribution of type of polyethylene in liners used in primary conventional THA cases.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Figure 20: Percentage of bearing surface couple for primary conventional THA.

Description of figure	Percentage of bearing surface couple for conventional hip replacement, including MoP, CoP, CoC and dual mobility
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Figure 21: Distribution of head sizes for primary conventional THA, excluding dual mobility cases.

Description of figure	Distribution of head sizes for primary conventional THA.
Inclusion criteria	All primary conventional THA cases (including conversions) but not including dual mobility cases.
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases, (5) dual mobility cases.
Time window	2/15/2012 to 12/31/18

Subsection 2.2.2 Conventional THA revision risk summary

Table 5. Reasons for first revision following primary conventional THA.

Description of figure	Reasons for first revision following primary THA
Inclusion criteria	All first revision cases following primary conventional THA, including conversions
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) resurfacing cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 6: Reasons for first revision following primary conventional THA in first year post-operatively.

Description of figure	Reasons for first revision following primary THA for revisions occurring within 365 days of the primary procedure
Inclusion criteria	All first revision cases following primary conventional THA (including conversions) performed within 365 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) resurfacing cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 7: Reasons for first revision following primary conventional THA in second year post-operatively.

Description of figure	Reasons for first revision following primary THA for revisions occurring between 366 and 730 days of the primary procedure
Inclusion criteria	All first revision cases following primary conventional THA (including conversions) performed between 366 days and within 730 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) resurfacing cases, (4) cases not occurring between 366 and 730 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 8: Reasons for first revision following primary conventional THA in third year post-operatively.

Description of figure	Reasons for first revision following primary THA for revisions occurring within 731 days of the primary procedure
Inclusion criteria	All first revision cases following primary conventional THA (including conversions) performed between 731 days and within 1095 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) resurfacing cases, (4) cases not occurring between 731 and 1095 days.
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Figure 22: Most common reasons for first revision following primary conventional THA (Pareto chart).

Description of figure	Reasons for first revision following primary THA
Inclusion criteria	All first revision cases following primary conventional THA (including conversions)
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) resurfacing cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Figure 23: Cumulative percent revision for primary conventional THA.

Description of figure	CPR curve for all primary conventional THA cases.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Table 9: Cumulative percent revision and number at risk for primary conventional THA (numerical values).

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Figure 24: Cumulative percent revision for primary conventional THA by diagnosis.

Description of figure	CPR curves for OA vs non-OA (one curve for each)
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Table 10: Cumulative percent revision for primary conventional THA by diagnosis (numerical values).

Description of figure	CPR data for OA vs non-OA (one curve for each) in tabular format.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Figure 25: Cumulative percent revision for primary conventional THA by sex for osteoarthritis diagnosis.

Description of figure	CPR curve for primary conventional THA cases having OA diagnosis by sex. There are two lines and corresponding CI's: male and female.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Table 11: Cumulative percent revision for primary conventional THA by sex for osteoarthritis diagnosis (numerical values).

Description of figure	CPR curve for primary conventional THA cases having OA diagnosis by sex.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Subsection 2.2.3. Revision risk for commonly used conventional implant combinations

Table 12: Summary of cumulative percent revision following primary THA for stem/cup combinations having at least 500 cases, sorted alphabetically.

Description of figure	CPR data for stem/cup combinations having more than 500 cases. This should be ordered alphabetically.
Inclusion criteria	All conventional primary THA cases having at least 500 primary cases, including conversions
Exclusion criteria	(1) THA resurfacing cases, (2) THA revision cases, (2) TKA, UKA, PFJ cases, (3) fewer than 500 cases having each specific stem/cup combination
Time window	2/15/2012 to 12/31/18

Template for conventional THA implant-specific revision data

This section will contain subsections on each stem/cup implant combination having 500 or more cases. Each section will follow the same format, which is described below.

This template describes Tables 13 through 311 and Figures 26 through 85.

Description	Sentence stating number of surgeons and sites using this implant combination.
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Volume of cases by surgeon and site for the <Stem>/<Cup> combination in primary THA.

Description	Table on mean and median number of cases per surgeon and site
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Descriptive statistics of cases receiving the <Stem>/<Cup> combination in primary THA.

Description of figure	Descriptive statistics for those patients having this stem/cup combination.
Inclusion criteria	Primary THA cases using this stem/cup combination, including conversions
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Cumulative percent revision curve for the <Stem>/<Cup> combination compared to all other implant combinations in conventional primary THA.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for cup/stem combination under specific consideration (pink), with pink 95% confidence interval shading 2. CPR for all conventional hips (blue) except those cases not using this stem/cup combination, with light blue 95% confidence interval shading
Inclusion criteria	<p>Inclusion:</p> <ol style="list-style-type: none"> 1. Line 1 above, the inclusion should be all primary THA cases (including conversions) done in the data window that use the cup/stem combination being presented. For example, if we are analyzing the Accolade II/Trident combination than for a case to be included it would need to have an Accolade II stem <i>and</i> Trident cup and be a primary THA case (conventional doesn't need to be specified here because it is redundant with the use of Accolade II/Trident). 2. For line 2 above, the inclusion criteria should be all primary conventional THA cases, including conversions, that do not use this stem/cup combination. This should be determined by the procedure coding.
Exclusion criteria	<ol style="list-style-type: none"> 1. Line 1 above, all TKA, UKA, PFJ and other knee cases, all THA resurfacing cases, THA revision cases, any THA case that does not use either the stem or cup under consideration 2. For line 2 above, all TKA, UKA, PFJ and other knee cases, all THA revision cases, and THA resurfacing cases, and cases using this stem/cup combination.
Time window	2/15/12 – 12/31/18

**Cumulative percent revision and number at risk for <Stem>/<Cup>
combination in primary THA cases.**

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	Inclusion: all primary THA cases (including conversions) done in the data window that use the cup/stem combination being presented. For example, if we are analyzing the Accolade II/Trident combination then for a case to be included it would need to have an Accolade II stem <i>and</i> Trident cup and be a primary THA case (conventional doesn't need to be specified here because it is redundant with the use of Accolade II/Trident).
Exclusion criteria	(1) revision cases, (2) cases not using this stem/cup combination, (3) all TKA, UKA, PFJ cases, (5) all THA resurfacing cases
Time window	2/15/12 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Reasons for first revision following primary THA using <Stem>/<Cup> combination cases.

Description of figure	Reasons for first revision following primary THA using this stem/cup combination
Inclusion criteria	All first revision cases following primary THA, including conversions, using this stem/cup combination
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision in first 90 days following primary THA using <Stem>/<Cup> combination cases.

Description of figure	Reasons for first revision following primary THA using this stem/cup combination
Inclusion criteria	All first revision cases following primary THA occurring within the first 90 days post-operatively, including conversions, using this stem/cup combination
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (4) revision occurred after 90 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision days 91 to 365 days following primary THA using <Stem>/<Cup> combination cases.

Description of figure	Reasons for first revision following primary THA using this stem/cup combination
Inclusion criteria	All first revision cases following primary THA occurring between 91 and 365 days post-operatively, including conversions, using this stem/cup combination
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (4) revision occurred before 91 days or after 365 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Distribution of approach used for <Stem>/<Cup> combination in primary THA cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this stem/cup combination.
Inclusion criteria	Primary THA cases using this stem/cup combination, including conversions
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of head size for <Stem>/<Cup> combination in primary THA cases.

Description of figure	This is a histogram of the sizes of heads used with this stem/cup combination. Head size is given in mm. Note that a head size of 22.25 mm should be lumped with 22 mm.
Inclusion criteria	All primary THA cases using this stem/cup combination (including conversions) but does not include dual mobility cases
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) dual mobility cases
Time window	2/15/2012 to 12/31/18

Distribution of bearing surface for <Stem>/<Cup> combination in primary THA cases.

Description of figure	This table gives the breakdown of bearing surface combinations in percentages.
Inclusion criteria	Primary THA cases (including conversions) using this stem/cup combination.
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of polyethylene used for <Stem>/<Cup> combination cases in which polyethylene liners were used in primary THA.

Description of figure	Describes the percentage of different types of polyethylene used with this stem/cup combination that uses a polyethylene liner. There are three kinds: UHMWPE, XLPE, and Anitoxidant XLPE.
Inclusion criteria	Primary THA cases (including conversions) using this stem/cup combination and a polyethylene liner.
Exclusion criteria	(1) primary THA cases not using polyethylene liners, (2) revision THA cases, (3) primary THA cases not using this stem/cup combination, (4) THA resurfacing cases, (5) TKA, UKA, PFJ cases.
Time window	2/15/2012 to 12/31/18

Utilization of <Stem>/<Cup> combination in primary THA.

Description of figure	<p>Utilization of this implant combination over time. There are two lines:</p> <p>(1) entire set of hospitals (blue line), and</p> <p>(2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.</p>
Inclusion criteria	<p>All primary THA cases including conversions, using this stem/cup combination. The inclusion criterion is slightly different for the two (red and blue) lines:</p> <ol style="list-style-type: none"> 1) Blue line. Inclusion is all primary THA cases using this stem/cup combination between 2/15/2012 and 12/31/2018. 2) Red line. Inclusion is all primary THA cases using the stem/cup combination between 1/1/2014 and 12/31/2018.
Exclusion criteria	<p>Criteria that apply to both lines: (1) revision THA cases, (2) primary THA cases not using this stem/cup combination, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases.</p> <p>Additionally:</p> <ol style="list-style-type: none"> 1. For the blue line, cases done after 12/31/18. 2. For red line, cases done before 1/1/2014 or after 12/31/18.
Time window	<p>Blue line: 2/15/2012 to 12/31/18</p> <p>Red line: 1/1/2014 to 12/31/18</p>

Subection 2.2.4 Revision risk for commonly used THA stems

Table 312: Summary of cumulative percent revision following primary THA for stems having at least 500 cases, sorted alphabetically.

Description of figure	CPR data for stems having more than 500 cases. This should be ordered alphabetically.
Inclusion criteria	All conventional primary THA cases having at least 500 primary cases, including conversions
Exclusion criteria	(2) THA resurfacing cases, (2) THA revision cases, (2) TKA, UKA, PFJ cases, (3) fewer than 500 cases having each specific stem
Time window	2/15/2012 to 12/31/18

Template for conventional THA implant-specific revision data

This section will contain subsections on each stem implant having 500 or more cases. *Note this aggregates stem/cup combinations by stem.* Each section will follow the same format, which is described below.

This template describes Tables 313 through 551 and Figures 86 through 133.

Description	Sentence stating number of surgeons and sites using this stem
Inclusion criteria	All primary conventional THA cases, including conversions using this stem
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) resurfacing THA cases, (4) primary THA cases not using this stem
Time window	2/15/2012 to 12/31/18

Volume of cases by surgeon and site for the <Stem> in primary THA.

Description	Table on mean and median number of cases per surgeon and site
Inclusion criteria	All primary conventional THA cases, including conversions using this stem/cup combination
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) resurfacing THA cases, and (4) primary cases not using this stem
Time window	2/15/2012 to 12/31/18

**Descriptive statistics of cases receiving receiving the <Stem> in primary
THA.**

Description of figure	Descriptive statistics for those patients having this stem.
Inclusion criteria	Primary THA cases using this stem, including conversions using this stem
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Cumulative percent revision curve for <Stem> stem compared to all other stems in conventional primary THA.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for stem under specific consideration (pink), with pink 95% confidence interval shading 2. CPR for all conventional hips (blue) excluding cases using the stem under consideration, with light blue 95% confidence interval shading
Inclusion criteria	<p>Inclusion:</p> <ol style="list-style-type: none"> 1. Line 1 above, the inclusion should be all primary THA cases (including conversions) done in the data window that use the stem being presented. For example, if we are analyzing the Accolade II combination than for a case to be included it would need to have an Accolade II stem and be a primary THA case (conventional doesn't need to be specified here because it is redundant with the use of Accolade II). 2. For line 2 above, the inclusion criteria should be all primary conventional THA cases, including conversions, that do not use this stem.
Exclusion criteria	<ol style="list-style-type: none"> 1. Line 1 above, all TKA, UKA, PFJ and other knee cases, all THA resurfacing cases, THA revision cases, any THA case that does not use the stem under consideration 2. For line 2 above, all TKA, UKA, PFJ and other knee cases, all THA revision cases, THA resurfacing cases, any case that uses this stem
Time window	2/15/12 – 12/31/18

Cumulative percent revision and number at risk for <Stem> in primary THA cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	Inclusion: all primary THA cases (including conversions) done in the data window that use the stem being considered. For example, if we are analyzing the Accolade II stem then for a case to be included it would need to have an Accolade II stem and be a primary THA case (conventional doesn't need to be specified here because it is redundant with the use of Accolade II).
Exclusion criteria	(1) revision cases, (2) cases not using this stem, (3) all TKA, UKA, PFJ cases, (4) all THA resurfacing cases
Time window	2/15/12 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Reasons for first revision following primary THA for <Stem> stem cases.

Description of figure	Reasons for first revision following primary THA using this stem.
Inclusion criteria	All first revision cases following primary THA, including conversions, using this stem
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision in first 90 days following primary THA for <Stem> stem cases.

Description of figure	Reasons for first revision following primary THA using this stem
Inclusion criteria	All first revision cases following primary THA occurring within the first 90 days post-operatively, including conversions, using this stem
Exclusion criteria	revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) cases occurring after 90 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision days 91 to 365 days following primary THA for <Stem> stem cases.

Description of figure	Reasons for first revision following primary THA using this stem
Inclusion criteria	All first revision cases following primary THA occurring between 91 and 365 days post-operatively, including conversions, using this stem
Exclusion criteria	revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) cases occurring before day 91 or after day 365 post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Distribution of approach used for <Stem> stem in primary THA cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this stem combination.
Inclusion criteria	Primary THA cases using this stem, including conversions
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of head size for <Stem> stem in primary THA cases.

Description of figure	This is a histogram of the sizes of heads used with this stem. Head size is given in mm. Note that a head size of 22.25 mm should be lumped with 22 mm.
Inclusion criteria	All primary THA cases using this stem (including conversions) but does not include dual mobility cases
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) dual mobility cases
Time window	2/15/2012 to 12/31/18

Distribution of bearing surface for <Stems> stem in primary THA cases.

Description of figure	This table gives the breakdown of bearing surface combinations in percentages.
Inclusion criteria	Primary THA cases (including conversions) using this stem.
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of polyethylene used for <Stem> stem cases in which polyethylene liners were used in primary THA.

Description of figure	Describes the percentage of different types of polyethylene used with this stem that uses a polyethylene liner. There are three kinds: UHMWPE, XLPE, and Antioxidant XLPE.
Inclusion criteria	Primary THA cases (including conversions) using this stem and a polyethylene liner.
Exclusion criteria	(1) primary THA cases not using polyethylene liners, (2) revision THA cases, (3) primary THA cases not using this stem, (4) THA resurfacing cases, (5) TKA, UKA, PFJ cases.
Time window	2/15/2012 to 12/31/18

Utilization of <Stem> stem in primary THA.

Description of figure	<p>Utilization of this implant combination over time. There are two lines:</p> <p>(1) entire set of hospitals (blue line), and</p> <p>(2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.</p>
Inclusion criteria	<p>All primary THA cases including conversions, using this stem. The inclusion criterion is slightly different for the two (red and blue) lines:</p> <p>(1) Blue line. Inclusion is all primary THA cases using this stem between 2/15/2012 and 12/31/2018.</p> <p>(2) Red line. Inclusion is all primary THA cases using the stem between 1/1/2014 and 12/31/2018.</p>
Exclusion criteria	<p>Criteria that apply to both lines: (1) revision THA cases, (2) primary THA cases not using this stem, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases.</p> <p>Additionally:</p> <ol style="list-style-type: none"> 1. For the blue line, cases done after 12/31/18. 2. For red line, cases done before 1/1/2014 or after 12/31/18.
Time window	<p>Blue line: 2/15/2012 to 12/31/18</p> <p>Red line: 1/1/2014 to 12/31/18</p>

Subection 2.2.5. Revision risk for commonly used cups

Table 552: Summary of cumulative percent revision following primary THA for cups having at least 500 cases, sorted alphabetically.

Description of figure	CPR data for cups having more than 500 cases. This should be ordered alphabetically.
Inclusion criteria	All conventional primary THA cases having at least 500 primary cases using a specific cup, including conversions
Exclusion criteria	(1) THA resurfacing cases, (2) THA revision cases, (2) TKA, UKA, PFJ cases, (3) fewer than 500 cases having each specific cup
Time window	2/15/2012 to 12/31/18

Template for conventional THA implant-specific revision data

This section will contain subsections on each cup implant having 500 or more cases. *Note this aggregates stem/cup combinations by cup.* Each section will follow the same format, which is described below.

This template describes Tables 553 through 682 and Figures 134 through 159.

Description	Sentence stating number of surgeons and sites using this cup
Inclusion criteria	All primary conventional THA cases, including conversions, using this cup
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) resurfacing THA cases, (4) primary THA cases not using this cup
Time window	2/15/2012 to 12/31/18

Volume of cases by surgeon and site for the <Stem>/<Cup> combination in primary THA.

Description	Table on mean and median number of cases per surgeon and site
Inclusion criteria	All primary conventional THA cases, including conversions
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) resurfacing THA cases
Time window	2/15/2012 to 12/31/18

Descriptive statistics of cases receiving the <Cup> cup in primary THA.

Description of figure	Descriptive statistics for those patients having this cup.
Inclusion criteria	Primary THA cases using this cup, including conversions
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Cumulative percent revision curve for the <Cup> cup compared to all other cups in conventional THA.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for cup under specific consideration (pink), with pink 95% confidence interval shading 2. CPR for all conventional hips (blue) excluding cases using the cup under consideration, with light blue 95% confidence interval shading
Inclusion criteria	<p>Inclusion:</p> <ol style="list-style-type: none"> 1. Line 1 above, the inclusion should be all primary THA cases (including conversions) done in the data window that use the cup being presented. For example, if we are analyzing the Trident than for a case to be included it would need to have a Trident cup and be a primary THA case. 2. For line 2 above, the inclusion criteria should be all primary conventional and conversion THA cases not using the cup under consideration
Exclusion criteria	<ol style="list-style-type: none"> 1. Line 1 above, all TKA, UKA, PFJ and other knee cases, all THA resurfacing cases, THA revision cases, any THA case that does not use the cup under consideration 2. For line 2 above, all TKA, UKA, PFJ and other knee cases, all THA revision cases, THA resurfacing cases, and uses the cup under consideration
Time window	2/15/12 – 12/31/18

Cumulative percent revision and number at risk for <Cup> cup in primary THA cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	Inclusion: all primary THA cases (including conversions) done in the data window that use the cup being considered. For example, if we are analyzing the Trident cup then for a case to be included it would need to have a Trident cup and be a primary THA case.
Exclusion criteria	(1) revision cases, (2) cases not using this cup, (3) all TKA, UKA, PFJ cases, (4) all THA resurfacing cases
Time window	2/15/12 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Reasons for first revision following primary THA for <Cup> cup cases.

Description of figure	Reasons for first revision following primary THA using this cup.
Inclusion criteria	All first revision cases following primary THA, including conversions, using this cup
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision in first 90 days following primary THA for <Cup> cup cases.

Description of figure	Reasons for first revision following primary THA using this cup
Inclusion criteria	All first revision cases following primary THA occurring within the first 90 days post-operatively, including conversions, using this cup
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) cases occurring after 90 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Reasons for revision days 91 to 365 days following primary THA for <Cup> cup cases.

Description of figure	Reasons for first revision following primary THA using this cup
Inclusion criteria	All first revision cases following primary THA occurring between 91 and 365 days post-operatively, including conversions, using this cup
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) cases occurring before day 91 or after day 365
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Distribution of approach used for <Cup> cup in primary THA cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this stem/cup combination.
Inclusion criteria	Primary THA cases using this cup, including conversions
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of head size for <Cup> cup in primary THA cases.

Description of figure	This is a histogram of the sizes of heads used with this stem/cup combination. Head size is given in mm. Note that a head size of 22.25 mm should be lumped with 22 mm.
Inclusion criteria	All primary THA cases using this cup (including conversions) but does not include dual mobility cases
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases, (5) dual mobility cases
Time window	2/15/2012 to 12/31/18

Distribution of bearing surface for <Cup> in primary THA cases.

Description of figure	This table gives the breakdown of bearing surface combinations in percentages.
Inclusion criteria	Primary THA cases (including conversions) using this cup.
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Distribution of polyethylene used for <Cup> cup cases in which polyethylene liners were used in primary THA.

Description of figure	Describes the percentage of different types of polyethylene used with this stem/cup combination that uses a polyethylene liner. There are three kinds: UHMWPE, XLPE, and Anitoxidant XLPE.
Inclusion criteria	Primary THA cases (including conversions) using this cup and a polyethylene liner.
Exclusion criteria	(1) primary THA cases not using polyethylene liners, (2) revision THA cases, (3) primary THA cases not using this cup, (4) THA resurfacing cases, (5) TKA, UKA, PFJ cases.
Time window	2/15/2012 to 12/31/18

Utilization of <Cup> cup in primary THA.

Description of figure	Utilization of this implant combination over time. There are two lines: (1) entire set of hospitals (blue line), and (2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.
Inclusion criteria	All primary THA cases including conversions, using this cup. The inclusion criterion is slightly different for the two (red and blue) lines: (2) Blue line. Inclusion is all primary THA cases using this cup between 2/15/2012 and 12/31/2018. (3) Red line. Inclusion is all primary THA cases using the cup between 1/1/2014 and 12/31/2018.
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this cup, (3) THA resurfacing cases, (4) TKA, UKA, PFJ cases
Time window	Blue line: 2/15/2012 to 12/31/18 Red line: 1/1/2014 to 12/31/18

Section 2.3. Resurfacing THA

Subsection 2.3.1 Most commonly used resurfacing implants

Figure 160: Percent of primary resurfacing THA patients (first case) by thrombosis prophylaxis.

Description of figure	Pie chart showing percent of patients (first case) by thrombosis prophylaxis. Categories include aspirin, anticoagulation, both, and none.
Inclusion criteria	All primary resurfacing THA cases being the first primary THA case for each patient.
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) primary THA cases that are not the first primary THA for the patient, (4) conventional and conversion THA cases
Time window	2/15/12 to 12/31/18

Subsection 2.3.2 Most commonly used resurfacing THA implants

Table 683: Ten most commonly used femoral components in resurfacing THA.

Description of figure	Top 10 most commonly used femoral THA components used in primary resurfacing THA cases.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 684: Ten most commonly used acetabular components in primary resurfacing THA.

Description of figure	Top 10 most commonly used acetabular shells used in primary resurfacing THA cases.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 685: Ten most commonly used femoral/acetabular component combinations used in primary resurfacing THA.

Description of figure	Top ten most commonly used femoral/acetabular combinations used in primary resurfacing THA cases.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Subsection 2.3.3. Resurfacing THA revision risk summary

Table 686. Reasons for first revision following primary resurfacing THA.

Description of figure	Reasons for first revision following primary resurfacing THA
Inclusion criteria	All first revision cases following primary resurfacing THA
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 687. Reasons for first revision following primary resurfacing THA in first year post-operatively.

Description of figure	Reasons for first revision following primary resurfacing THA for revisions occurring within 365 days of the primary procedure
Inclusion criteria	All first revision cases following primary resurfacing THA performed within 365 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) conventional and conversion cases, (4) cases occurring after 365 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 688. Reasons for first revision following primary resurfacing THA in second year post-operatively.

Description of figure	Reasons for first revision following primary resurfacing THA for revisions occurring between 366 and 730 days of the primary procedure
Inclusion criteria	All first revision cases following primary resurfacing THA performed between 366 days and within 730 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) conventional and conversion cases, (4) cases occurring before 366 days or after 730 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 689. Reasons for first revision following primary resurfacing THA in third year post-operatively.

Description of figure	Reasons for first revision following primary resurfacing THA for revisions occurring within 731 days of the primary procedure
Inclusion criteria	All first revision cases following primary resurfacing THA performed between 731 days and within 1095 days of the primary procedure
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) conventional and conversion cases, (4) cases occurring before 731 days or after 1095 days post-operatively.
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Figure 161. Reasons for first revision following primary resurfacing THA (Pareto chart).

Description of figure	Reasons for first revision following primary resurfacing THA
Inclusion criteria	All first revision cases following primary resurfacing THA
Exclusion criteria	(1) TKA, UKA, PFJ cases, (2) revision THA cases after first revision, (3) conventional and conversion cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Figure 162. Cumulative percent revision for primary resurfacing THA.

Description of figure	CPR curve for all primary resurfacing THA cases.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 690. Cumulative percent revision and number at risk for primary resurfacing THA (numerical values).

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Figure 163. Cumulative percent revision for primary resurfacing THA by diagnosis.

Description of figure	CPR curves for OA vs non-OA (one curve for each)
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 691. Cumulative percent revision for primary resurfacing THA by diagnosis (numerical values).

Description of figure	CPR data for OA vs non-OA (one curve for each) in tabular format.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Figure 164. Cumulative percent revision for primary resurfacing THA by sex for osteoarthritis diagnosis.

Description of figure	CPR curve for primary resurfacing THA cases having OA diagnosis by sex. There are two lines and corresponding CI's: male and female.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 692. Cumulative percent revision for primary resurfacing THA by sex for osteoarthritis diagnosis (numerical values).

Description of figure	CPR curve for primary resurfacing THA cases having OA diagnosis by sex.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

Subsection 2.3.4. Revision risk for commonly used resurfacing implant combinations

Table 693: Summary of cumulative percent revision following primary THA for femoral/acetabular component combinations having at least 500 cases, sorted alphabetically.

Description of figure	CPR data for femur/acetabular combinations having more than 500 cases. This should be ordered alphabetically.
Inclusion criteria	All resurfacing primary THA cases having at least 500 primary cases for an implant combination
Exclusion criteria	(1) THA conventional and conversion cases, (2) THA revision cases, (2) TKA, UKA, PFJ cases, (3) fewer than 500 cases having each specific femur/acetabulum combination
Time window	2/15/2012 to 12/31/18

Template for resurfacing THA implant-specific revision risk reports

This section will contain subsections on each femoral/acetabular implant combination having 500 or more cases. Since only the BHR/BHR combination meets this criterion, these tables, figures, and text will only be included for the BHR/BHR.

Description	Sentence stating number of surgeons and sites using this implant combination.
Inclusion criteria	All primary resurfacing THA cases using this implant combination
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, (3) conventional/conversion THA cases, (4) primary resurfacing cases not using this implant combination
Time window	2/15/2012 to 12/31/18

Table 694. Volume of cases by surgeon and site for the <Femur>/<Acetabulum> combination in primary THA.

Description	Table on mean and median number of cases per surgeon and site
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PFJ cases, (2) revision THA cases, and (3) conventional/conversion THA cases
Time window	2/15/2012 to 12/31/18

Table 695: Descriptive statistics on cases receiving the <Femur>/<Acetabulum> combination in primary THA.

Description of figure	Primary resurfacing THA cases using this femur/acetabulum combination
Inclusion criteria	Primary resurfacing THA cases using this femur/acetabulum combination
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this femur/acetabulum combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Figure 165: Cumulative percent revision curve for the <Femur>/<Acetabulum> combination comparing to all other implant combinations in conventional primary THA.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for femur/acetabulum combination under specific consideration (pink), with pink 95% confidence interval shading 2. CPR for all conventional and conversion (combined) hips (blue), with light blue 95% confidence interval shading
Inclusion criteria	<p>Inclusion:</p> <p>Line 1 above, the inclusion should be all primary resurfacing THA cases done in the data window that use the femur/acetabulum combination being presented.</p> <p>For line 2 above, the inclusion criteria should be all primary conventional and conversion THA cases. This should be determined by the procedure coding.</p>
Exclusion criteria	<p>Line 1 above, all TKA, UKA, PFJ cases, THA revision cases, any THA case that does not use either the femoral/acetabular combination under consideration.</p> <p>For line 2 above, all TKA, UKA, PFJ cases, all THA revision cases, all resurfacing THA cases.</p>
Time window	2/15/12 to 12/31/18

Table 696: Cumulative percent revision and number at risk for <Femur>/<Acetabulum> combination in primary THA cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	All primary resurfacing THA cases
Exclusion criteria	(1) All TKA, UKA, PJJ cases, (2) revision THA cases, (3) all primary conventional and conversion THA cases
Time window	2/15/2012 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Table 697: Reasons for first revision following primary THA for <Femur>/<Acetabulum> combination cases.

Description of figure	Reasons for first revision following primary resurfacing THA using this femur/acetabulum combination
Inclusion criteria	All first revision cases following primary resurfacing THA
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this acetabulum/femur combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PJJ cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 698: Reasons for first revision in first 90 days following primary THA for <Femur>/<Acetabulum> combination cases.

Description of figure	Reasons for first revision following primary resurfacing THA using this femur/acetabulum combination
Inclusion criteria	All first revision cases following primary resurfacing THA occurring within the first 90 days post-operatively.
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this acetabulum/femur combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PFJ cases, (5) cases occurring after 90 days post-operatively
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 699: Reasons for first revision days 91 to 365 following primary THA for <Femur>/<Acetabulum> combination cases.

Description of figure	Reasons for first revision following primary resurfacing THA using this femur/acetabulum combination
Inclusion criteria	All first revision cases following primary resurfacing THA occurring between 91 and 365 days post-operatively
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this acetabulum/femur combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PFJ cases, (5) cases occurring before day 91 and after day 365
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 700: Distribution of approach used for <Femur>/<Acetabulum> combination in primary THA cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this femur/acetabulum combination.
Inclusion criteria	Primary resurfacing THA cases using this femur/acetabulum combination
Exclusion criteria	(1) revision THA cases, (2) primary THA cases not using this femur/acetabulum combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PFJ cases
Time window	2/15/2012 to 12/31/18

Figure 166. Utilization of <Femur>/<Acetabulum> combination in primary THA.

Description of figure	<p>Utilization of this implant combination over time. There are two lines:</p> <p>(1) entire set of hospitals (blue line), and</p> <p>(2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.</p>
Inclusion criteria	<p>All primary THA cases including conversions, using this stem/cup combination. The inclusion criterion is slightly different for the two (red and blue) lines:</p> <p>(4) Blue line. Inclusion is all primary THA cases using this femur/acetabulum combination between 2/15/2012 and 12/31/2018.</p> <p>(5) Red line. Inclusion is all primary THA cases using the femur/acetabulum combination between 1/1/2014 and 12/31/2018.</p>
Exclusion criteria	<p>(1) revision THA cases, (2) primary THA cases not using this femur/acetabulum combination, (3) THA conventional and conversion cases, (4) TKA, UKA, PFJ cases</p>
Time window	<p>Blue line: 2/15/2012 to 12/31/18</p> <p>Red line: 1/1/2014 to 12/31/18</p>

CATALOG NUMBERS OF IMPLANTS IN MARCQI DATABASE FOR THA CASES

Catalog numbers used in the analysis of the Accolade II/Trident combination.

67210535 - 5020354E	67200535 - 5020356E	67200435 - 5021148D
67200435 - 5021152E	67210635 - 5421154F	67210635 - 5020350D
67200535 - 5021152E	67210330 - 5021152E	67210435 - 5020356E
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67210435 - 5020160G	67210635 - 5421162H	67211040 - 5021152E
67210435 - 5020258F	67210737 - 5000150D	67211040 - 5021154E
67210435 - 5020346B	67210737 - 5000152E	67211040 - 5090262G
67210435 - 5021144B	67210737 - 5000350D	67211040 - 5090268H
67210435 - 5090260F	67210737 - 5000352D	67211040 - 5401158G
67210435 - 5090262G	67210737 - 5000364G	67211040 - 5401166I
67210435 - 5090264G	67210737 - 5001158F	67211140 - 5000360F
67210435 - 5401144C	67210737 - 5081148D	67211140 - 5020358F
67210435 - 5401148D	67210737 - 5081156F	67211140 - 5020360F
67210435 - 5401158G	67210737 - 5090254E	67211140 - 5020364G
67210435 - 5421158G	67210737 - 5090264G	67211140 - 5021154E
67210435 - 5421160G	67210737 - 5090268H	67211140 - 5021162G
67210435 - 5421164H	67210837 - 5000154E	67211140 - 5021164H
67210535 - 5000150D	67210837 - 5000156F	67211140 - 5421150E
67210535 - 5000154E	67210837 - 5000158F	67211140 - 5421160G
67210535 - 5000156F	67210837 - 5000352D	

Catalog numbers used in the analysis of the Accolade II/Trident II combination.

67210435 - 7020452E	67210535 - 7020454E	67210635 - 7020452E
67210535 - 7020452E	67210435 - 7020450D	67210435 - 7020454E
67210635 - 7020456F	67200330 - 7020452E	67210330 - 7020448D
67210330 - 7020452E	67200435 - 7020452E	67210535 - 7020456F

67200535 - 7020452E
67210435 - 7020448D
67210535 - 7020450D
67210330 - 7020450D
67210635 - 7020454E
67200535 - 7020456F
67200435 - 7020454E
67210737 - 7020456F
67200535 - 7020454E
67200635 - 7020452E
67210635 - 7020458F
67200737 - 7020456F
67200435 - 7020450D
67210230 - 7020448D
67200635 - 7020454E
67200635 - 7020458F
67210435 - 7020456F
67210737 - 7020454E
67200635 - 7020456F
67200737 - 7020458F
67210737 - 7020452E
67210737 - 7020458F
67200330 - 7020448D
67200535 - 7020450D
67200737 - 7020452E
67200837 - 7020458F
67210837 - 7020460G
67200737 - 7020454E
67210535 - 7020458F
67210535 - 7021152E
67210635 - 7421148D
67200330 - 7020454E
67200435 - 7020456F
67200535 - 7020458F
67210230 - 7020452E
67210330 - 7020454E
67200330 - 7020450D
67210435 - 7020458F
67210435 - 7021150D
67210837 - 7020458F
67200330 - 7020446C
67200535 - 7020460G
67200737 - 7020460G
67210535 - 7021150D
67210635 - 7020450D
67210635 - 7021150D

67210635 - 7021152E
67210635 - 7021154E
67210635 - 7021156F
67210737 - 7020460G
67210737 - 7021152E
67210737 - 7421148D
67210837 - 7020456F
67200837 - 7020456F
67210535 - 7020448D
67210535 - 7021148D
67210635 - 7020460G
67210837 - 7020452E
67210837 - 7020454E
67210937 - 7020458F
67200230 - 7020450D
67200230 - 7020452E
67200435 - 7021150D
67200435 - 7021154E
67200937 - 7020456F
67210230 - 7020446C
67210230 - 7020450D
67210330 - 7020446C
67210435 - 7020446C
67210737 - 7020462G
67210737 - 7021156F
67210837 - 7020450D
67211040 - 7020462G
67200230 - 7020448D
67200330 - 7021150D
67200330 - 7021152E
67200435 - 7021152E
67200535 - 7020448D
67200535 - 7021156F
67200635 - 7020450D
67200635 - 7020460G
67200635 - 7021158F
67200737 - 7020450D
67200737 - 7020462G
67200737 - 7021158F
67200837 - 7020460G
67200937 - 7020460G
67201140 - 7020460G
67210127 - 7020448D
67210230 - 7020454E
67210330 - 7021148D
67210535 - 7020460G

67210535 - 7021158F
67210737 - 7020450D
67210737 - 7021154E
67210837 - 7021152E
67210837 - 7021154E
67210837 - 7021156F
67210937 - 7020454E
67210937 - 7020462G
67211040 - 7020458F
67200127 - 7020452E
67200230 - 7020446C
67200230 - 7020456F
67200330 - 7020456F
67200435 - 7020446C
67200435 - 7020448D
67200435 - 7020458F
67200435 - 7020460G
67200435 - 7021156F
67200535 - 7020462G
67200535 - 7020464H
67200535 - 7021150D
67200635 - 7020446C
67200635 - 7020462G
67200635 - 7021150D
67200635 - 7021154E
67200737 - 7021154E
67200737 - 7021160G
67200837 - 7020452E
67200837 - 7020454E
67200837 - 7021152E
67200837 - 7021156F
67200937 - 7020454E
67200937 - 7020458F
67200937 - 7020462G
67201040 - 7020462G
67201040 - 7021162G
67201140 - 7020454E
67210127 - 7020446C
67210230 - 7021152E
67210330 - 7020456F
67210330 - 7021150D
67210435 - 7021148D
67210435 - 7021154E
67210435 - 7021156F
67210535 - 7020446C
67210535 - 7021156F

67210535 - 7421148D
67210635 - 7020446C
67210635 - 7020462G
67210635 - 7020464H
67210635 - 7021158F
67210635 - 7021160G
67210737 - 7020448D
67210737 - 7021158F

67210737 - 7021160G
67210837 - 7020462G
67210837 - 7021158F
67210937 - 7020450D
67210937 - 7020452E
67210937 - 7020456F
67210937 - 7020460G
67210937 - 7021156F

67210937 - 7021162G
67211040 - 7020452E
67211040 - 7021156F
67211140 - 7020452E
67211140 - 7021154E
67211140 - 7021162G

Catalog numbers used in the analysis of the Accolade TMZF/Trident combination.

60200335 - 5021152E
60200335 - 5021154E
60202530 - 5021150D
60200230 - 5021150D
60202530 - 5021152E
60203535 - 5021152E
60210335 - 5020152E
60203535 - 5021154E
60200335 - 5021150D
60203535 - 5021156F
60200230 - 5021148D
60204535 - 5021158F
60210335 - 5421150E
60212530 - 5421150E
60200435 - 5021154E
60200435 - 5021156F
60200537 - 5021160G
60200230 - 5021152E
60200435 - 5021152E
60213535 - 5421150E
60213535 - 5421154F
60200230 - 5421150E
60200335 - 5021156F
60200335 - 5421154F
60202530 - 5021154E
60202530 - 5421150E
60203535 - 5421154F
60210335 - 5021152E
60210435 - 5021156F
60200435 - 5021158F
60204535 - 5021154E
60204535 - 5021156F
60210335 - 5421154F

60210537 - 5020156F
60212530 - 5021150D
60212530 - 5021152E
60214535 - 5021158F
60214535 - 5421154F
60200230 - 5421152E
60200435 - 5421154F
60202530 - 5421152E
60204535 - 5021160G
60213535 - 5020152E
60214535 - 5021156F
60200335 - 5421150E
60200335 - 5421152E
60203535 - 5021158F
60210230 - 5421150E
60210435 - 5421154F
60210537 - 5021156F
60212530 - 5020152E
60200130 - 5021148D
60200335 - 5421158G
60200537 - 5021158F
60202530 - 5021148D
60203535 - 5421152E
60205537 - 5021160G
60210230 - 5021150D
60210230 - 5021152E
60210435 - 5020152E
60210435 - 5021154E
60210537 - 5021158F
60213535 - 5020156F
60213535 - 5021156F
60214535 - 5020156F
60200335 - 5021158F

60200335 - 5421156F
60200537 - 5021156F
60200537 - 5021162G
60202530 - 5021156F
60202530 - 5421154F
60203535 - 5021150D
60204535 - 5421156F
60210130 - 5021150D
60210230 - 5021148D
60210335 - 5021150D
60210335 - 5021154E
60210335 - 5021156F
60212530 - 5021154E
60213535 - 5021152E
60213535 - 5021154E
60214535 - 5020158F
60214535 - 5021160G
60200130 - 5021150D
60200435 - 5421158G
60200537 - 5020354E
60204535 - 5020156F
60204535 - 5021152E
60204535 - 5421154F
60205537 - 5021156F
60210335 - 5021158F
60210435 - 5020156F
60210435 - 5021152E
60210435 - 5021158F
60210537 - 5421154F
60212530 - 5421148D
60213535 - 5020356E
60200130 - 5421148D
60200130 - 5421150E

60200230 - 5020352D	60200230 - 5421154F	60205537 - 5021164H
60200230 - 5021154E	60200230 - 5421158G	60210030 - 5021148D
60200230 - 5421148D	60200335 - 5020152E	60210030 - 5021150D
60200335 - 5021148D	60200335 - 5020154E	60210230 - 5020150D
60200435 - 5020152E	60200335 - 5020354E	60210230 - 5020352D
60200435 - 5020352D	60200335 - 5020356E	60210230 - 5020354E
60200435 - 5021150D	60200335 - 5020358F	60210230 - 5021154E
60200435 - 5421152E	60200335 - 5021160G	60210230 - 5021158F
60200537 - 5020156F	60200335 - 5421148D	60210230 - 5421146D
60200537 - 5020360F	60200435 - 5020156F	60210230 - 5421152E
60200537 - 5421156F	60200435 - 5020158F	60210335 - 5020154E
60200537 - 5421158G	60200435 - 5020350D	60210335 - 5020352D
60202530 - 5020152E	60200435 - 5020354E	60210335 - 5021148D
60202530 - 5020348C	60200435 - 5020362G	60210335 - 5421160G
60202530 - 5021158F	60200435 - 5021160G	60210435 - 5000352D
60202530 - 5421146D	60200435 - 5021164H	60210435 - 5020354E
60202530 - 5421148D	60200435 - 5421150E	60210435 - 5020360F
60202530 - 5421156F	60200435 - 5421156F	60210435 - 5021150D
60204535 - 5421152E	60200537 - 5020152E	60210435 - 5021162G
60205537 - 5021158F	60200537 - 5020158F	60210537 - 5000354E
60205537 - 5021162G	60200537 - 5021164H	60210537 - 5020354E
60210130 - 5021148D	60200537 - 5421154F	60210537 - 5021154E
60210230 - 5020152E	60200637 - 5020352D	60210537 - 5021162G
60210230 - 5421148D	60200637 - 5021160G	60210537 - 5421156F
60210335 - 5020156F	60200637 - 5421152E	60210637 - 5020158F
60210335 - 5020354E	60200637 - 5421154F	60210637 - 5021158F
60210435 - 5421150E	60202530 - 5020350D	60210740 - 5020156F
60210537 - 5020152E	60202530 - 5020354E	60210740 - 5020364G
60210537 - 5020158F	60202530 - 5020356E	60212530 - 5000350D
60210537 - 5021160G	60202530 - 5421158G	60212530 - 5020154E
60210637 - 5021160G	60203535 - 5020152E	60212530 - 5020156F
60210740 - 5020158F	60203535 - 5020154E	60212530 - 5021148D
60212530 - 5020148D	60203535 - 5020352D	60212530 - 5090256E
60212530 - 5020352D	60203535 - 5020358F	60212530 - 5421146D
60212530 - 5020356E	60203535 - 5021162G	60212530 - 5421154F
60213535 - 5021150D	60203535 - 5090256E	60213535 - 5000352D
60213535 - 5021158F	60203535 - 5421150E	60213535 - 5000354E
60214535 - 5020154E	60203535 - 5421158G	60213535 - 5020148D
60214535 - 5021150D	60204535 - 5020354E	60213535 - 5020354E
60214535 - 5421150E	60204535 - 5020360F	60214535 - 5020152E
60215537 - 5021160G	60204535 - 5021150D	60214535 - 5020354E
60200030 - 5021146C	60204535 - 5021162G	60214535 - 5020362G
60200030 - 5421146D	60204535 - 5421158G	60214535 - 5021152E
60200130 - 5421146D	60204535 - 5421160G	60214535 - 5021162G
60200230 - 5421144C	60205537 - 5020156F	60215537 - 5000360F
60200230 - 5421146D	60205537 - 5020158F	60215537 - 5020156F

60215537 - 5020160G
60215537 - 5021156F

60215537 - 5421154F

Catalog numbers used in the analysis of the Actis DuoFix/Pinnacle combination.

101011040 - 121732052	101012070 - 121722054	101011040 - 121722048
101011050 - 121732052	101012070 - 121732058	101011040 - 121732056
101012040 - 121722052	101011030 - 121732048	101011050 - 121722050
101012040 - 121722054	101011030 - 121732054	101011050 - 121722054
101012020 - 121722052	101011050 - 121732050	101011060 - 121722050
101011060 - 121732052	101011060 - 121731052	101011070 - 121722050
101011050 - 121732054	101012010 - 121722050	101011070 - 121722052
101011060 - 121732054	101012020 - 121722050	101011070 - 121722056
101012030 - 121722050	101012020 - 121732048	101011080 - 121732056
101012050 - 121722052	101012030 - 121732054	101011080 - 121732060
101011060 - 121732056	101012040 - 121722050	101011090 - 121732056
101011060 - 121732058	101012040 - 121722056	101011090 - 121732060
101012060 - 121722052	101012040 - 121732050	101012020 - 121732052
101011030 - 121732050	101012050 - 121722050	101012050 - 121732060
101011040 - 121732054	101012050 - 121722054	101012060 - 121722050
101011070 - 121732054	101012070 - 121732060	101012060 - 121722058
101012060 - 121732056	101012080 - 121722054	101012060 - 121732060
101011070 - 121732056	101011010 - 121732048	101012070 - 121722056
101011070 - 121732058	101011020 - 121732050	101012070 - 121732054
101012030 - 121722052	101011030 - 121722052	101012070 - 121732062
101012060 - 121732058	101011040 - 121731050	101012080 - 121722052
101011040 - 121722052	101011040 - 121731054	101012080 - 121732056
101011050 - 121732056	101011040 - 121732050	101012080 - 121732060
101012080 - 121732058	101011050 - 121732048	101012100 - 121732056
101011040 - 121732048	101011050 - 121732058	101011010 - 121722050
101011060 - 121722052	101011060 - 121732050	101011010 - 121732052
101011070 - 121732060	101011070 - 121732052	101011020 - 121731048
101012030 - 121722054	101011080 - 121732058	101011020 - 121732048
101012050 - 121722056	101012010 - 121722052	101011020 - 121732054
101012050 - 121732052	101012020 - 121732050	101011030 - 121703050
101012050 - 121732054	101012030 - 121732050	101011030 - 121722050
101011020 - 121732052	101012030 - 121732052	101011030 - 121722056
101011030 - 121732052	101012040 - 121732048	101011030 - 121732056
101011050 - 121722052	101012040 - 121732056	101011040 - 121722050
101012020 - 121722054	101012050 - 121732058	101011040 - 121722056
101012030 - 121732048	101012060 - 121722056	101011040 - 121731052
101012040 - 121732052	101012070 - 121732056	101011040 - 121732058
101012040 - 121732054	101011020 - 121722052	101011040 - 121732060
101012070 - 121722052	101011030 - 121703048	101011050 - 121703052

101011050 - 121703054	101011090 - 121703052	101012040 - 121731052
101011050 - 121730046	101011090 - 121722054	101012040 - 121732058
101011050 - 121730050	101011090 - 121732052	101012050 - 121722048
101011050 - 121731050	101011090 - 121732054	101012050 - 121732048
101011050 - 121731054	101011090 - 121732058	101012050 - 121732050
101011060 - 121703054	101011100 - 121732054	101012060 - 121703054
101011060 - 121703056	101011100 - 121732056	101012060 - 121731054
101011060 - 121722054	101011100 - 121732060	101012060 - 121732050
101011060 - 121722056	101011100 - 121732064	101012060 - 121732054
101011060 - 121722058	101011110 - 121732054	101012070 - 121730058
101011060 - 121731054	101011110 - 121732058	101012080 - 121722056
101011060 - 121731056	101011110 - 121732060	101012080 - 121722058
101011070 - 121703056	101012010 - 121722048	101012080 - 121731054
101011070 - 121722054	101012010 - 121732058	101012080 - 121732062
101011070 - 121731054	101012030 - 121703052	101012090 - 121722054
101011070 - 121731060	101012030 - 121722048	101012090 - 121722056
101011080 - 121722054	101012030 - 121722056	101012090 - 121732058
101011080 - 121731058	101012040 - 121722048	101012090 - 121732062
101011080 - 121732054	101012040 - 121722058	

Catalog numbers used in the analysis of the AML/Pinnacle combination.

155402135 - 121701052	155402135 - 121701058	155402106 - 121732050
155402121 - 121701052	155402165 - 121701052	155402121 - 121732052
155402121 - 121701050	155401106 - 121701048	155402135 - 121731054
155402135 - 121701054	155402135 - 121732058	155402135 - 121732052
155402121 - 121701054	155401135 - 121732048	155402135 - 121732054
155402150 - 121701052	155401135 - 121732056	155402150 - 121701058
155401121 - 121701052	155401150 - 121732054	155402150 - 121732054
155401121 - 121701050	155402106 - 121701048	155402150 - 121732056
155402135 - 121701056	155402150 - 121701056	155402150 - 121732060
155402150 - 121732058	155402165 - 121701054	155402165 - 121732054
155401121 - 121732052	155401106 - 121701050	155402165 - 121732058
155401121 - 121732054	155401106 - 121701052	155402180 - 121701054
155401135 - 121732052	155401121 - 121732056	155402180 - 121701056
155401135 - 121732054	155401135 - 121701052	155401106 - 121722050
155402150 - 121701054	155401150 - 121701052	155401106 - 121732054
155401121 - 121732050	155401165 - 121732058	155401106 - 121732056
155402121 - 121701056	155402135 - 121732056	155401121 - 121722048
155402135 - 121701050	155402150 - 121701050	155401121 - 121722052
155402165 - 121701056	155402165 - 121701058	155401121 - 121730050
155401121 - 121701048	155401106 - 121732048	155401121 - 121732058
155401150 - 121732052	155401121 - 121701054	155401135 - 121722052
155402121 - 121701048	155401135 - 121732058	155401150 - 121732050

155401150 - 121732058	155401135 - 121730050	155402135 - 121722058
155401150 - 121732060	155401135 - 121732050	155402135 - 121730048
155401165 - 121701052	155401135 - 121732060	155402135 - 121730054
155401165 - 121732054	155401150 - 121701048	155402135 - 121730056
155401165 - 121732056	155401150 - 121701056	155402135 - 121731058
155401180 - 121732054	155401150 - 121732056	155402135 - 121732050
155402106 - 121701054	155401150 - 121732062	155402135 - 121732060
155402121 - 121701058	155401165 - 121701050	155402150 - 121701062
155402121 - 121722052	155401165 - 121701054	155402150 - 121703056
155402121 - 121731050	155401165 - 121701056	155402150 - 121703058
155402121 - 121732048	155401165 - 121703060	155402150 - 121722060
155402121 - 121732050	155401165 - 121730048	155402150 - 121730054
155402121 - 121732058	155401165 - 121732052	155402150 - 121731052
155402150 - 121701060	155401165 - 121732060	155402150 - 121732050
155402150 - 121732052	155401165 - 121732062	155402150 - 121732062
155401106 - 121722054	155401195 - 121701052	155402150 - 121732064
155401106 - 121730050	155401195 - 121703054	155402165 - 121701048
155401106 - 121731048	155402106 - 121701050	155402165 - 121701060
155401106 - 121732050	155402106 - 121701052	155402165 - 121722058
155401106 - 121732052	155402106 - 121722048	155402165 - 121732062
155401106 - 121732060	155402106 - 121722052	155402180 - 121701052
155401106 - 121732062	155402106 - 121732052	155402180 - 121701058
155401121 - 121703054	155402106 - 121732058	155402180 - 121701062
155401121 - 121703056	155402121 - 121703058	155402180 - 121732054
155401121 - 121720046	155402121 - 121720052	155402180 - 121732056
155401121 - 121722060	155402121 - 121722048	155402180 - 121732058
155401121 - 121722062	155402121 - 121722050	155402195 - 121701060
155401121 - 121731050	155402121 - 121722054	155402195 - 121732054
155401121 - 121732048	155402121 - 121732054	155403135 - 121701050
155401121 - 121732062	155402121 - 121732056	155403135 - 121731052
155401135 - 121701048	155402121 - 121732060	155403135 - 121732058
155401135 - 121701050	155402135 - 121701048	155403150 - 121701054
155401135 - 121703058	155402135 - 121701062	155403180 - 121701054
155401135 - 121722050	155402135 - 121703056	
155401135 - 121722054	155402135 - 121722052	

Catalog numbers used in the analysis of the Anthology/Reflection 3 combination.

71356006 - 71335552	71356004 - 71335550	71356008 - 71335556
71356005 - 71335552	71356106 - 71335554	71356003 - 71335550
71356005 - 71335550	71356008 - 71335554	71357007 - 71335552
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Catalog numbers used in the analysis of the Avenir Muller/Continuum combination.

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0106010005 - 00875705601	0106010104 - 00875705401	0106010002 - 00875704601
0106010006 - 00875705601	0106010104 - 00875705601	0106010005 - 00875706001
0106010003 - 00875705001	0106010105 - 00875705201	0106010006 - 00875706201
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Catalog numbers used in the analysis of the Corail/Pinnacle combination.

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3L92501 - 121732066	3L92508 - 121732056	L20310 - 121730052
3L92502 - 121722054	3L92508 - 121732062	L20310 - 121732058
3L92502 - 121730060	3L92508 - 121732064	L20311 - 121722048
3L92502 - 121730068	3L92509 - 121730048	L20311 - 121730054
3L92502 - 121731048	3L92509 - 121730050	L20311 - 121732050
3L92502 - 121731050	3L92509 - 121730052	L20311 - 121732062
3L92502 - 121731058	3L92509 - 121730054	L20312 - 121722048
3L92502 - 121731060	3L92509 - 121732054	L20312 - 121722052
3L92503 - 121730054	3L92510 - 121722054	L20312 - 121722054
3L92503 - 121730058	3L92511 - 121722050	L20312 - 121722062
3L92503 - 121731056	3L92511 - 121722054	L20312 - 121730054
3L92503 - 121731060	3L92511 - 121730050	L20312 - 121730056
3L92503 - 121732064	3L92511 - 121730054	L20313 - 121730060
3L92504 - 121703056	3L92511 - 121730056	L20313 - 121732048
3L92504 - 121703062	3L92511 - 121730058	L20314 - 121722060
3L92504 - 121730054	3L92511 - 121730060	L20314 - 121730056
3L92504 - 121730056	3L92511 - 121732060	L20314 - 121730060
3L92504 - 121731054	3L92512 - 121722056	L20314 - 121730062
3L92504 - 121732048	3L92512 - 121722060	L20314 - 121730068
3L92505 - 121703052	3L92512 - 121730058	L20314 - 121732064
3L92505 - 121703056	3L92512 - 121732062	L20315 - 121730062
3L92505 - 121703060	3L92512 - 121732064	L20316 - 121730056
3L92505 - 121703062	3L92513 - 121722052	L20316 - 121732058
3L92505 - 121703064	3L92513 - 121722054	L20316 - 121732064
3L92505 - 121722064	3L92513 - 121730054	L20316 - 121732066
3L92505 - 121730062	3L92513 - 121730060	L20318 - 121732054
3L92505 - 121731054	3L92513 - 121732050	L20318 - 121732060
3L92505 - 121731060	3L92513 - 121732060	L20318 - 121732064
3L92505 - 121732048	3L92513 - 121732066	L98011 - 121730048
3L92506 - 121703052	3L92514 - 121722052	L98011 - 121732048
3L92506 - 121703060	3L92514 - 121722054	L98011 - 121732056

L98012 - 121730056	L98014 - 121732054	L98115 - 121722052
L98012 - 121732048	L98014 - 121732056	L98115 - 121732054
L98013 - 121730052	L98015 - 121730060	L98115 - 121732062
L98013 - 121732048	L98018 - 121730062	L98116 - 121732058
L98013 - 121732050	L98112 - 121732056	L98120 - 121730060
L98014 - 121730052	L98113 - 121732062	L98120 - 121732056
L98014 - 121732052	L98114 - 121730064	

Catalog numbers used in the analysis of the Echo Bi-Metric/G7 combination.

192113 - 110010246	192013 - 110010244	192111 - 110017103
192012 - 110010244	192014 - 110010246	192113 - 010000664
192111 - 110010243	192108 - 110010242	192113 - 110010243
192010 - 110010243	192109 - 110010244	192113 - 110010247
192110 - 110010243	192111 - 110010242	192113 - 110017102
192011 - 110010244	192112 - 110017104	192115 - 110010246
192112 - 110010245	192116 - 110010247	192407 - 110010242
192114 - 110010246	192412 - 110010243	192409 - 110010243
192011 - 110010243	192011 - 010000664	192411 - 010000662
192111 - 110010244	192012 - 010000664	192411 - 010000663
192114 - 110010245	192012 - 010000665	192414 - 010000665
192014 - 110010245	192013 - 110010243	192414 - 010000666
192110 - 110010244	192013 - 110010246	192008 - 110010243
192113 - 110010245	192013 - 110010247	192009 - 010000662
192112 - 110010244	192016 - 110010245	192010 - 010000663
192113 - 110010244	192114 - 110010244	192010 - 110010245
192111 - 110010245	192116 - 110010246	192010 - 110017104
192008 - 110010242	192410 - 110010241	192011 - 010000666
192109 - 110010243	192410 - 110010243	192011 - 110010242
192112 - 110010243	192412 - 010000664	192011 - 110010246
192112 - 110010246	192509 - 110010243	192012 - 110010247
192010 - 110010244	192009 - 110010242	192012 - 110017102
192014 - 110010244	192010 - 010000664	192013 - 010000662
192110 - 110010242	192012 - 010000663	192013 - 110010245
192112 - 010000663	192012 - 110010246	192015 - 110010244
192114 - 110010247	192013 - 010000663	192015 - 110010245
192115 - 110010247	192013 - 010000666	192015 - 110010248
192411 - 110010243	192014 - 010000664	192016 - 110017105
192009 - 110010243	192014 - 110010243	192017 - 110010246
192010 - 110010242	192014 - 110010248	192107 - 110010243
192011 - 010000663	192015 - 110010246	192108 - 110010243
192012 - 110010243	192015 - 110010247	192109 - 010000663
192012 - 110010245	192016 - 110010246	192109 - 110010242
192013 - 010000664	192108 - 110010244	192110 - 110010245

192110 - 110017102	192008 - 110010244	192018 - 110010247
192111 - 010000662	192009 - 010000661	192019 - 010000668
192111 - 010000663	192009 - 010000663	192107 - 110010242
192111 - 010000664	192009 - 110010241	192107 - 110017102
192111 - 110017102	192009 - 110010244	192108 - 010000662
192111 - 110017104	192009 - 110010245	192108 - 110017101
192112 - 010000662	192009 - 110010246	192109 - 010000662
192112 - 010000665	192009 - 110010264	192109 - 010000666
192112 - 110017103	192010 - 010000662	192109 - 110017102
192113 - 010000662	192010 - 010000665	192109 - 110017103
192113 - 010000663	192010 - 010000666	192110 - 010000661
192113 - 110017105	192010 - 010000667	192110 - 010000662
192114 - 110017105	192010 - 110010246	192110 - 010000663
192115 - 010000666	192010 - 110017102	192110 - 110010241
192115 - 110010245	192011 - 010000662	192110 - 110010246
192115 - 110017106	192011 - 010000665	192110 - 110010248
192116 - 010000666	192011 - 110010240	192110 - 110017103
192116 - 110010249	192011 - 110010245	192111 - 010000661
192116 - 110017106	192012 - 010000662	192111 - 010000665
192117 - 110010246	192012 - 110010242	192111 - 110010265
192408 - 110010241	192012 - 110010264	192112 - 010000666
192408 - 110010242	192012 - 110010265	192112 - 110010241
192408 - 110010243	192012 - 110010266	192112 - 110010247
192409 - 010000663	192012 - 110017105	192112 - 110017105
192410 - 010000663	192012 - 110017106	192113 - 010000665
192410 - 110010244	192013 - 010000665	192113 - 010000666
192411 - 010000664	192013 - 010000667	192113 - 010000668
192411 - 110010244	192013 - 110010248	192113 - 110010242
192412 - 010000665	192013 - 110010250	192113 - 110017101
192413 - 010000663	192014 - 010000663	192113 - 110017103
192413 - 010000666	192014 - 010000666	192113 - 110017104
192414 - 010000664	192014 - 010000667	192113 - 110017106
192414 - 010000668	192014 - 010000671	192114 - 010000664
192414 - 110010248	192014 - 110010269	192114 - 010000665
192415 - 010000663	192015 - 010000662	192114 - 010000666
192508 - 110010242	192015 - 010000663	192114 - 010000667
192509 - 110010242	192015 - 010000665	192114 - 110010248
192510 - 110010242	192015 - 010000667	192114 - 110017103
192510 - 110010243	192015 - 110010264	192114 - 110017106
192511 - 110010244	192016 - 110010247	192115 - 010000667
192513 - 010000662	192016 - 110010248	192115 - 110010244
192513 - 010000663	192017 - 010000666	192115 - 110017102
192513 - 010000665	192017 - 010000667	192115 - 110017105
192007 - 110010243	192017 - 110010247	192116 - 110010245
192007 - 110017105	192017 - 110010248	192116 - 110010248
192008 - 010000661	192018 - 010000667	192116 - 110017103

192117 - 010000665	192412 - 010000663	192508 - 010000663
192117 - 010000666	192412 - 110010242	192508 - 110010243
192117 - 110017108	192412 - 110010245	192509 - 010000661
192118 - 110010246	192412 - 110017103	192509 - 110010241
192118 - 110010247	192413 - 010000664	192509 - 110010244
192118 - 110010248	192413 - 010000667	192510 - 110010246
192119 - 110010250	192413 - 110010241	192511 - 010000661
192407 - 010000662	192413 - 110010242	192511 - 110010243
192407 - 010000664	192413 - 110010243	192512 - 010000662
192407 - 110010241	192413 - 110010245	192512 - 010000663
192408 - 010000664	192413 - 110010247	192512 - 010000664
192408 - 110010244	192413 - 110010265	192512 - 110010241
192409 - 010000662	192413 - 110010266	192512 - 110010242
192409 - 010000665	192414 - 010000667	192512 - 110010243
192409 - 110010241	192414 - 110010244	192512 - 110010244
192409 - 110010242	192415 - 010000666	192513 - 110010244
192410 - 010000662	192415 - 010000667	192513 - 110010245
192410 - 010000664	192415 - 110010241	192514 - 010000663
192410 - 010000665	192415 - 110010265	192515 - 010000664
192410 - 110010242	192415 - 110010266	192515 - 110010246
192411 - 110010241	192416 - 010000664	192516 - 110010245
192411 - 110010242	192416 - 010000666	192517 - 010000665
192411 - 110010245	192416 - 010000667	
192412 - 010000662	192417 - 110010249	

Catalog numbers used in the analysis of the Echo Bi-Metric Microplasty/G7 combination.

193012 - 010000665	193013 - 010000665	193108 - 110017102
193014 - 010000666	193015 - 010000667	193109 - 110017101
193110 - 110017102	193109 - 110017102	193109 - 110017103
193111 - 110017103	193111 - 110017104	193113 - 110017104
193013 - 010000664	193112 - 110017103	193115 - 110017106
193014 - 010000665	193010 - 110017102	193116 - 110017106
193111 - 110017102	193013 - 010000666	193012 - 110017103
193114 - 110017105	193014 - 010000664	193013 - 010000663
193011 - 010000664	193014 - 010000667	193013 - 010000667
193012 - 010000664	193015 - 010000666	193016 - 010000665
193009 - 110017102	193112 - 110017105	193009 - 010000663
193110 - 110017103	193113 - 110017105	193009 - 010000664
193012 - 010000663	193114 - 110017103	193010 - 010000663
193112 - 110017102	193011 - 010000665	193011 - 010000663
193112 - 110017104	193011 - 010000666	193011 - 110017102
193113 - 110017103	193012 - 010000666	193015 - 010000665
193010 - 010000664	193012 - 110017105	193016 - 010000667

193016 - 110017106	193113 - 010000662	193016 - 010000663
193017 - 010000667	193114 - 110017102	193016 - 010000664
193108 - 110017103	193114 - 110017107	193016 - 110010272
193110 - 110017101	193117 - 110017105	193017 - 010000666
193111 - 110017105	192808 - 010000663	193017 - 010000668
193113 - 110017106	192808 - 110017104	193017 - 010000669
193115 - 110017104	193007 - 110017103	193017 - 010000671
193116 - 110017105	193008 - 010000661	193018 - 010000668
193009 - 010000662	193008 - 010000662	193018 - 010000669
193010 - 010000662	193008 - 010000664	193019 - 010000668
193011 - 110017103	193008 - 110010242	193107 - 110017101
193012 - 110010244	193008 - 110017101	193108 - 110017101
193012 - 110017102	193008 - 110017102	193109 - 010000661
193014 - 110017105	193008 - 110017109	193109 - 010000662
193016 - 010000666	193009 - 110010246	193109 - 010000663
193107 - 110017102	193010 - 010000660	193109 - 010000663
193114 - 110017104	193010 - 010000665	193109 - 110017100
193114 - 110017106	193010 - 010000667	193109 - 110017104
193115 - 110017103	193010 - 110010243	193110 - 010000661
193115 - 110017105	193010 - 110010244	193110 - 010000662
193115 - 110017107	193010 - 110010265	193110 - 010000663
193117 - 110017107	193010 - 110017103	193111 - 010000662
193008 - 010000663	193011 - 010000662	193111 - 010000663
193009 - 010000665	193011 - 110010265	193112 - 010000661
193009 - 110017101	193011 - 110017101	193112 - 010000664
193010 - 010000666	193012 - 010000668	193112 - 010000665
193010 - 110017101	193012 - 110010246	193112 - 110010266
193011 - 010000661	193012 - 110010247	193112 - 110017101
193012 - 010000667	193012 - 110010263	193113 - 010000665
193012 - 110017101	193012 - 110017104	193113 - 110010246
193013 - 010000662	193012 - 110017106	193113 - 110017102
193013 - 110010245	193013 - 110010244	193113 - 110017107
193013 - 110017102	193013 - 110010264	193114 - 010000663
193013 - 110017103	193013 - 110010267	193114 - 010000666
193014 - 010000668	193013 - 110017105	193114 - 010000667
193016 - 010000668	193014 - 010000669	193116 - 110017103
193108 - 110017100	193014 - 110010247	193117 - 110017103
193110 - 110017104	193014 - 110017102	193117 - 110017106
193111 - 110017100	193014 - 110017106	193118 - 110017107
193112 - 010000663	193015 - 010000663	193119 - 110017107
193112 - 010000666	193015 - 010000664	
193112 - 110017106	193015 - 110017104	

Catalog numbers used in the analysis of the Fitmore/Continuum combination.

0100551306 - 00875705401	0100551305 - 00875705801	0100551201 - 00875705201
0100551304 - 00875705201	0100551310 - 00875705601	0100551408 - 00875706201
0100551305 - 00875705401	0100551403 - 00875705601	0100551409 - 00875706201
0100551307 - 00875705401	0100551405 - 00875705601	0100551203 - 00875705001
0100551306 - 00875705601	0100551206 - 00875705401	0100551206 - 00875705601
0100551309 - 00875705801	0100551207 - 00875705201	0100551306 - 00875705001
0100551308 - 00875705601	0100551207 - 00875705401	0100551106 - 00875705201
0100551305 - 00875705201	0100551301 - 00875705201	0100551209 - 00875705601
0100551303 - 00875705201	0100551309 - 00875705401	0100551210 - 00875705801
0100551307 - 00875705601	0100551408 - 00875705801	0100551302 - 00875705601
0100551308 - 00875705801	0100551203 - 00875705201	0100551312 - 00875706001
0100551305 - 00875705601	0100551305 - 00875705001	0100551401 - 00875705801
0100551307 - 00875705801	0100551404 - 00875705801	0100551402 - 00875705201
0100551306 - 00875705801	0100551406 - 00875706001	0100551201 - 00875704801
0100551310 - 00875706001	0100551407 - 00875705801	0100551201 - 00875705001
0100551309 - 00875706001	0100551404 - 00875705401	0100551203 - 00875705401
0100551306 - 00875705201	0100551408 - 00875705601	0100551203 - 00875705601
0100551304 - 00875705401	0100551403 - 00875705801	0100551204 - 00875705001
0100551309 - 00875705601	0100551409 - 00875706001	0100551208 - 00875705401
0100551308 - 00875706001	0100551204 - 00875705401	0100551208 - 00875705601
0100551308 - 00875705401	0100551301 - 00875705001	0100551208 - 00875705801
0100551406 - 00875705801	0100551303 - 00875705001	0100551303 - 00875705801
0100551405 - 00875705801	0100551402 - 00875705601	0100551309 - 00875706401
0100551304 - 00875705601	0100551402 - 00875705801	0100551401 - 00875705201
0100551204 - 00875705201	0100551407 - 00875705601	0100551402 - 00875705401
0100551302 - 00875705401	0100551409 - 00875705801	0100551403 - 00875706001
0100551407 - 00875706001	0100551410 - 00875706201	0100551407 - 00875706201
0100551310 - 00875705801	0100551305 - 00875706001	0100551409 - 00875705601
0100551205 - 00875705201	0100551311 - 00875705801	0100551410 - 00875705801
0100551303 - 00875705401	0100551401 - 00875705401	0100551202 - 00875705001
0100551307 - 00875705201	0100551406 - 00875705601	0100551204 - 00875705601
0100551408 - 00875706001	0100551202 - 00875705201	0100551205 - 00875705601
0100551205 - 00875705401	0100551304 - 00875705801	0100551205 - 00875705801
0100551307 - 00875706001	0100551310 - 00875706201	0100551206 - 00875705001
0100551206 - 00875705201	0100551207 - 00875705601	0100551206 - 00875705801
0100551311 - 00875706001	0100551301 - 00875705401	0100551207 - 00875705801
0100551304 - 00875705001	0100551302 - 00875705001	0100551208 - 00875706001
0100551306 - 00875706001	0100551308 - 00875705201	0100551210 - 00875705601
0100551404 - 00875705601	0100551401 - 00875705601	0100551210 - 00875706001
0100551302 - 00875705201	0100551404 - 00875706001	0100551302 - 00875704801
0100551405 - 00875706001	0100551405 - 00875705401	0100551303 - 00875706001
0100551303 - 00875705601	0100551406 - 00875705401	0100551304 - 00875706001

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0100551309 - 00875706201
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0100551311 - 00875706201
0100551312 - 00875705801
0100551312 - 00875706201
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0100551410 - 00875706001
0100551411 - 00875706401
0100551102 - 00875705201
0100551106 - 00875705401
0100551202 - 00875704801
0100551203 - 00875704801
0100551206 - 00875704801
0100551206 - 00875705200
0100551208 - 00875705201
0100551209 - 00875705401
0100551209 - 00875705801
0100551301 - 00875704801
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0100551304 - 00875704801
0100551304 - 00875705202
0100551304 - 00875705600
0100551305 - 00875705402
0100551306 - 00875706401
0100551402 - 00875706001
0100551403 - 00875705401
0100551404 - 00875705201
0100551406 - 00875706201
0100551411 - 00875706201
0100551103 - 00875705201
0100551104 - 00875705001
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0100551105 - 00875705601
0100551106 - 00875705601
0100551108 - 00875705201
0100551108 - 00875705401
0100551202 - 00875705401
0100551204 - 00875704800
0100551204 - 00875705200
0100551205 - 00875704802
0100551205 - 00875705001
0100551205 - 00875705200
0100551205 - 00875705601
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0100551206 - 00875705000
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0100551206 - 00875706401
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0100551207 - 00875705601
0100551207 - 00875704802
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0100551207 - 00875705800
0100551207 - 00875706201
0100551207 - 00875706401
0100551207 - 00875704002

0100551210 - 00875705201	0100551305 - 00875705400	0100551311 - 00875705401
0100551210 - 00875705800	0100551305 - 00875706601	0100551311 - 00875705602
0100551210 - 00875706000	0100551306 - 00875704801	0100551312 - 00875705601
0100551210 - 00875706601	0100551306 - 00875704802	0100551313 - 00875706601
0100551211 - 00875705600	0100551306 - 00875705402	0100551314 - 00875705801
0100551211 - 00875705601	0100551306 - 00875705600	0100551314 - 00875706001
0100551211 - 00875705801	0100551306 - 00875705602	0100551401 - 00875705001
0100551211 - 00875706001	0100551306 - 00875706000	0100551401 - 00875705600
0100551212 - 00875706001	0100551307 - 00875705001	0100551402 - 00875705001
0100551301 - 00875705402	0100551307 - 00875705402	0100551402 - 00875705202
0100551301 - 00875705601	0100551307 - 00875705600	0100551402 - 00875705800
0100551301 - 00875706002	0100551307 - 00875705602	0100551403 - 00875705001
0100551302 - 00875705200	0100551307 - 00875705802	0100551403 - 00875705200
0100551302 - 00875705402	0100551307 - 00875706002	0100551405 - 00875705800
0100551302 - 00875705801	0100551307 - 00875706202	0100551405 - 00875705802
0100551303 - 00875705200	0100551308 - 00875705602	0100551405 - 00875706201
0100551303 - 00875705202	0100551308 - 00875706002	0100551406 - 00875705201
0100551303 - 00875705400	0100551308 - 00875706201	0100551406 - 00875705600
0100551303 - 00875705402	0100551309 - 00875705001	0100551407 - 00875705201
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0100551304 - 00875705200	0100551309 - 00875706002	0100551409 - 00875705401
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0100551304 - 00875705602	0100551310 - 00875705200	0100551410 - 00875706601
0100551304 - 00875706201	0100551310 - 00875705201	0100551411 - 00875705800
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0100551305 - 00875704801	0100551310 - 00875706601	
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Catalog numbers used in the analysis of the Fitmore/G7 combination.

0100551305 - 110010244	0100551307 - 110010246	0100551309 - 110010247
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0100551303 - 110010244	0100551302 - 110010244	0100551307 - 010000664
0100551304 - 110010243	0100551304 - 110010246	0100551307 - 110010248
0100551303 - 110010243	0100551308 - 110010244	0100551308 - 110010246
0100551305 - 110010243	0100551309 - 110010246	0100551308 - 110010247
0100551306 - 110010245	0100551407 - 110010247	0100551201 - 110010243
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0100551307 - 110010247	0100551303 - 110010245	0100551305 - 110010247
0100551302 - 110010243	0100551306 - 110010243	0100551310 - 110010246
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0100551304 - 110010245	0100551306 - 110010247	0100551406 - 110010245

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0100551201 - 110010244	0100551409 - 110010248	0100551307 - 010000667
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0100551305 - 110010246	0100551202 - 110010242	0100551309 - 110010244
0100551306 - 110010248	0100551203 - 010000662	0100551311 - 110010246
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0100551308 - 010000665	0100551203 - 110010242	0100551403 - 110010245
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0100551201 - 010000663	0100551206 - 110010243	0100551202 - 010000663
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0100551204 - 010000663	0100551208 - 010000666	0100551204 - 110010264
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0100551403 - 110010244	0100551304 - 110010248	0100551210 - 010000668
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0100551302 - 010000666	0100551308 - 110010268	0100551405 - 110010265
0100551302 - 110010246	0100551309 - 110010250	0100551405 - 110010266
0100551302 - 110010247	0100551310 - 010000665	0100551406 - 010000663
0100551302 - 110010265	0100551310 - 010000668	0100551406 - 010000666
0100551302 - 110010266	0100551310 - 010000671	0100551406 - 110010248
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0100551303 - 110010264	0100551311 - 010000668	0100551407 - 110010245
0100551304 - 110010241	0100551311 - 110010245	0100551407 - 110010248
0100551304 - 110010242	0100551311 - 110010247	0100551407 - 110010249
0100551304 - 110010263	0100551311 - 110010249	0100551407 - 110010250
0100551305 - 010000664	0100551311 - 110010268	0100551407 - 110010266
0100551305 - 010000666	0100551312 - 010000670	0100551407 - 110010268
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0100551305 - 010000669	0100551313 - 110010251	0100551408 - 110010249
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0100551306 - 110010263	0100551401 - 110010243	0100551409 - 010000666
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0100551306 - 110010269	0100551402 - 010000663	0100551409 - 110010267
0100551307 - 010000665	0100551402 - 110010245	0100551409 - 110010268
0100551307 - 010000666	0100551402 - 110010247	0100551410 - 010000666
0100551307 - 110010249	0100551403 - 110010246	0100551410 - 110010245
0100551307 - 110010264	0100551403 - 110010247	0100551411 - 110010247
0100551307 - 110010266	0100551404 - 010000667	0100551411 - 110010248
0100551308 - 010000664	0100551404 - 110010243	0100551411 - 110010249
0100551308 - 010000668	0100551404 - 110010244	0100551411 - 110010250
0100551308 - 110010264	0100551404 - 110010246	
0100551308 - 110010265	0100551404 - 110010249	

Catalog numbers used in the analysis of the M/L Taper/Continuum combination.

00771100900 - 00875705201	00771101000 - 00875705401	00771101520 - 00875705801
00771101220 - 00875705601	00771101320 - 00875705601	00771101100 - 00875705401
00771101220 - 00875705801	00771100740 - 00875705201	00771101300 - 00875705601
00771100700 - 00875705201	00771100740 - 00875705401	00771101320 - 00875706001
00771100940 - 00875705401	00771101120 - 00875705401	00771100900 - 00875705601
00771100900 - 00875705401	00771101200 - 00875705801	00771101040 - 00875705401
00771101200 - 00875705601	00771101000 - 00875705201	00771101120 - 00875705801
00771100940 - 00875705201	00771101200 - 00875705401	00771101020 - 00875705401
00771101120 - 00875705601	00771101220 - 00875706001	00771101100 - 00875705201
00771101220 - 00875705401	00771101520 - 00875706001	00771100700 - 00875705401
00771101320 - 00875705801	00771101000 - 00875705601	00771101020 - 00875705601

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00771101020 - 00875705201
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00771101300 - 00875705801
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00771101120 - 00875704801
00771101120 - 00875704802
00771101120 - 00875705002
00771101120 - 00875705802
00771101120 - 00875706401
00771101140 - 00875704801
00771101140 - 00875705000
00771101140 - 00875705002
00771101140 - 00875705200
00771101140 - 00875705800
00771101140 - 00875706201
00771101200 - 00875705802
00771101200 - 00875706202
00771101210 - 00875704802
00771101210 - 00875705202
00771101210 - 00875705802
00771101210 - 00875706601
00771101220 - 00875704801
00771101220 - 00875705402
00771101240 - 00875705001
00771101240 - 00875706801
00771101300 - 00875705002
00771101300 - 00875705400
00771101300 - 00875705600
00771101300 - 00875705602
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00771101300 - 00875706000
00771101300 - 00875706002
00771101300 - 00875706601
00771101300 - 00875706801
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00771101320 - 00875705402
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00771101500 - 00875706000
00771101500 - 00875706401
00771101500 - 00875706601
00771101520 - 00875705402
00771101520 - 00875705800
00771101520 - 00875706000
00771101520 - 00875706002
00771101520 - 00875706601
00771101520 - 00875707001
00771101600 - 00875705001

00771101600 - 00875705201	00771101620 - 00875706801	00771102020 - 00875705201
00771101600 - 00875705802	00771101700 - 00875706002	00771102020 - 00875705601
00771101600 - 00875706000	00771101720 - 00875705401	00771102200 - 00875705602
00771101600 - 00875706200	00771101720 - 00875705802	00771102200 - 00875706001
00771101620 - 00875705201	00771101720 - 00875706601	00771102220 - 00875706001
00771101620 - 00875705602	00771101720 - 00875706802	00771102220 - 00875706201
00771101620 - 00875706202	00771102000 - 00875705601	
00771101620 - 00875706601	00771102000 - 00875706200	

Catalog numbers used in the analysis of the M/L Taper/G7 combination.

00771100740 - 010000662	00771100640 - 010000662	00771101100 - 010000662
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00771101320 - 010000666	00771100600 - 010000662	00771100640 - 010000661
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00771100900 - 010000663	00771101200 - 010000663	00771101120 - 010000664
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00771100700 - 010000662	00771100900 - 010000665	00771101500 - 010000665
00771101040 - 010000663	00771101100 - 010000666	00771101520 - 010000664
00771101140 - 010000665	00771101140 - 010000666	00771101520 - 010000668
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00771100700 - 010000663	00771101020 - 010000664	00771100720 - 010000664
00771101220 - 010000665	00771100500 - 010000662	00771100940 - 110010244
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00771101520 - 010000666	00771100740 - 110010243	00771101220 - 110010245
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00771100910 - 010000663	00771100920 - 010000663	00771101000 - 010000666
00771101040 - 010000665	00771100940 - 110010243	00771101020 - 110010246
00771101220 - 010000666	00771101020 - 010000665	00771101040 - 010000666
00771101240 - 010000663	00771101040 - 010000662	00771101110 - 010000663

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00771100910 - 010000665
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00771100510 - 010000663
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00771100600 - 110010245
00771100610 - 010000663
00771100610 - 010000665
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00771100620 - 110010243
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00771100640 - 110010241
00771100640 - 110010244
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00771100700 - 110010266
00771100710 - 010000661
00771100710 - 010000665
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00771100720 - 010000666
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00771100740 - 110010242
00771100740 - 110010244
00771100900 - 110010245
00771100900 - 110010264
00771100910 - 110010265
00771100910 - 110010266
00771100910 - 110017100
00771100920 - 010000666
00771100920 - 110010242

00771100920 - 110010244	00771101110 - 010000666	00771101300 - 110010267
00771100920 - 110010245	00771101110 - 110010244	00771101320 - 110010244
00771100920 - 110010246	00771101120 - 010000663	00771101320 - 110010249
00771100920 - 110010263	00771101140 - 010000668	00771101320 - 110010272
00771100940 - 110010242	00771101140 - 110010245	00771101500 - 110010245
00771100940 - 110017102	00771101140 - 110010246	00771101500 - 110010246
00771101000 - 110010243	00771101140 - 110010247	00771101500 - 110010247
00771101000 - 110010244	00771101200 - 110010245	00771101500 - 110010249
00771101010 - 010000660	00771101200 - 110010247	00771101500 - 110010250
00771101010 - 010000661	00771101200 - 110010248	00771101520 - 010000663
00771101010 - 110010242	00771101200 - 110010249	00771101520 - 110010248
00771101010 - 110010243	00771101200 - 110010269	00771101520 - 110010249
00771101010 - 110010246	00771101210 - 010000663	00771101520 - 110010267
00771101010 - 110010247	00771101210 - 010000666	00771101600 - 010000664
00771101020 - 010000661	00771101210 - 010000667	00771101600 - 010000665
00771101020 - 010000662	00771101210 - 010000668	00771101620 - 010000669
00771101020 - 110010245	00771101210 - 010000669	00771101620 - 110010244
00771101040 - 010000661	00771101210 - 110010243	00771101700 - 010000666
00771101040 - 010000669	00771101210 - 110010244	00771101700 - 010000667
00771101040 - 110010241	00771101220 - 110010243	00771101720 - 010000668
00771101040 - 110010243	00771101220 - 110010247	00771101720 - 010000666
00771101040 - 110010247	00771101220 - 110010269	00771101720 - 010000667
00771101100 - 010000661	00771101240 - 010000668	00771102020 - 010000666
00771101100 - 010000667	00771101240 - 010000669	00771102020 - 010000666
00771101100 - 010000668	00771101240 - 110010244	00771102020 - 010000669
00771101100 - 110010243	00771101240 - 110010246	00771102020 - 110010250
00771101100 - 110010244	00771101300 - 010000662	7711012 - 010000665
00771101100 - 110010246	00771101300 - 010000663	
00771101100 - 110010247	00771101300 - 110010244	

Catalog numbers used in the analysis of the M/L Taper/Trabecular Metal combination.

00771100700 - 00620204822	00771101100 - 00620205422	00771101200 - 00620205022
00771101000 - 00620205022	00771101020 - 00620205022	00771101000 - 00620205422
00771100900 - 00620204822	00771101200 - 00620205422	00771101100 - 00620205622
00771100900 - 00620205022	00771101200 - 00620205622	00771101220 - 00620205622
00771101100 - 00620205222	00771101220 - 00620205222	00771100600 - 00620205022
00771101000 - 00620205222	00771101300 - 00620205422	00771101020 - 00620205222
00771101200 - 00620205222	00771100700 - 00620205222	00771101020 - 00620205422
00771100600 - 00620204822	00771100900 - 00620205222	00771101120 - 00620205222
00771101000 - 00620204822	00771101100 - 00620205022	00771101300 - 00620205622
00771100500 - 00620204822	00771101220 - 00620205422	00771101320 - 00620205622
00771100700 - 00620205022	00771101320 - 00620205422	00771101520 - 00620205422
00771100920 - 00620205022	00771101120 - 00620205422	00771101120 - 00620205822

00771101200 - 00620205822
00771101220 - 00620205822
00771101300 - 00620205222
00771100410 - 00620204822
00771101100 - 00620204822
00771101320 - 00620205222
00771101500 - 00620205422
00771100720 - 00620204822
00771100720 - 00620205222
00771100920 - 00620204822
00771101120 - 00620205022
00771101520 - 00620205622
00771100520 - 00620204822
00771100600 - 00620204622
00771101020 - 00620204822
00771101300 - 00620205822
00771101320 - 00620205822
00771101500 - 00620205822
00771101620 - 00620205822
00771101700 - 00620205822
00771101720 - 00620205822
00771100440 - 00620204822
00771100440 - 00620205022
00771100620 - 00620204822
00771100700 - 00620205622
00771100720 - 00620205022
00771100900 - 00620205020
00771100900 - 00620205422
00771100900 - 00620205622
00771100910 - 00620205022
00771101000 - 00620205622
00771101020 - 00620205622
00771101020 - 00620205822
00771101200 - 00620204822
00771101200 - 00620206022
00771101320 - 00620205022
00771101320 - 00620206022
00771101520 - 00620205822
00771101600 - 00620205822
00771101620 - 00620205622
00771101700 - 00620206022
00771100410 - 00620204622
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00771100600 - 00620205222
00771100700 - 00620205822
00771100720 - 00620205422
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00771100920 - 00620205422
00771101010 - 00620205022
00771101010 - 00620205222
00771101100 - 00620205822
00771101120 - 00620204822
00771101200 - 00620205020
00771101210 - 00620205222
00771101210 - 00620206220
00771101300 - 00620205022
00771101320 - 00620206222
00771101500 - 00620205222
00771101500 - 00620205622
00771101520 - 00620206022
00771101600 - 00620205622
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00771100500 - 00620204820
00771100500 - 00620205622
00771100520 - 00620205022
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00771100600 - 00620205020
00771100600 - 00620205220
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00771100700 - 00620204622
00771100700 - 00620205020
00771100700 - 00620205422
00771100700 - 00620206420
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00771100740 - 00620204820
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00771100900 - 00620204622
00771100900 - 00620205620
00771100900 - 00620205822
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00771101020 - 00620205620
00771101020 - 00620206220
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00771101100 - 00620206020
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00771101110 - 00620205820
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00771101140 - 00620205222
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00771101220 - 00620206020
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00771102000 - 00620205822

00771102000 - 00620206022
00771102020 - 00620205422
00771102020 - 00620205622

00771102020 - 00620206022
00771102220 - 00620205622

Catalog numbers used in the analysis of the M/L Taper/Trilogy combination.

00771101240 - 00620005821
00771101240 - 00620005822
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00771101010 - 00620005222
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00771100900 - 00620005422
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00771100710 - 00620005620
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00771100740 - 00620005424
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00771101100 - 00620005220	00771101220 - 00620006021	00771101500 - 00620006422
00771101100 - 00620005420	00771101220 - 00620006221	00771101520 - 00620005820
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00771101110 - 00620005220	00771101240 - 00620005022	00771101600 - 00620005822
00771101110 - 00620005820	00771101240 - 00620005424	00771101600 - 00620006222
00771101110 - 00620006222	00771101240 - 00620005621	00771101620 - 00620005022
00771101120 - 00620005022	00771101240 - 00620005820	00771101620 - 00620005422
00771101120 - 00620005422	00771101240 - 00620005824	00771101620 - 00620005622
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00771101140 - 00620005022	00771101300 - 00620005022	00771101700 - 00620005820
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00771101140 - 00620005621	00771101300 - 00620005620	00771101720 - 00620006022
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00771101140 - 00620006224	00771101320 - 00620005421	00771101720 - 00620006222
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Catalog numbers used in the analysis of the Polarstem/Reflection 3 combination.

75100465 - 71335552	75100470 - 71335556	75100477 - 71335556
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75100465 - 71335548	75100480 - 71335556	75100465 - 71335556
75100466 - 71335554	75100465 - 71335550	75100468 - 71335558
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75100463 - 71335552	75100463 - 71335550	75018402 - 71338665
75100469 - 71335556	75100466 - 71335556	75018416 - 71335554
75100481 - 71335556	75100470 - 71335554	75018417 - 71335558
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75100469 - 71335552	75100476 - 71335556	75100464 - 71335550
75100478 - 71335554	75100480 - 71335560	75100464 - 71338665
75100478 - 71335556	75018417 - 71335556	75100465 - 71338665
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75100467 - 71335556	75100467 - 71335550	75100467 - 71338666

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75100469 - 71335560	75018416 - 71335552	75018403 - 71335552
75100475 - 71335554	75018418 - 71335554	75018403 - 71338664
75100479 - 71335558	75018419 - 71335556	75018403 - 71338669
75100482 - 71335556	75100463 - 71335554	75018404 - 71335556
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75102254 - 71335554	75100465 - 71338666	75018405 - 71338667
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75018402 - 71338666	75100467 - 71335560	75018406 - 71338666
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75100472 - 71335556	75102244 - 71335554	75100465 - 71338664
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75100481 - 71335562	75102251 - 71338666	75102257 - 71335556
75100482 - 71335564	75102252 - 71335554	75102258 - 71335554
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75100510 - 71335556	75102252 - 71338668	75102258 - 71335560
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75102074 - 71331848	75102253 - 71335550	
75102210 - 71335556	75102253 - 71335554	

Catalog numbers used in the analysis of the Secur-Fit/Trident combination.

160107132 - 5020354E	160107127 - 5021150D	160109132 - 5020352D
160107132 - 5020352D	160108127 - 5021154E	160109132 - 5020360F
160107132 - 5421150E	160108132 - 5020356E	160110127 - 5021158F
160108127 - 5021156F	160108132 - 5020358F	160106127 - 5021150D
160107132 - 5020356E	160110132 - 5020354E	160108132 - 5020350D
160108127 - 5021152E	160108127 - 5020354E	160108132 - 5421156F
160108132 - 5021152E	160108127 - 5021150D	160109132 - 5020358F
160107127 - 5021152E	160109127 - 5021152E	160110127 - 5021154E
160108132 - 5020352D	160109132 - 5421154F	160105132 - 5020350D
160108132 - 5421154F	160106132 - 5421150E	160106127 - 5021152E
160109127 - 5021154E	160107127 - 5020354E	160107127 - 5020356E
160108132 - 5020354E	160107127 - 5020350D	160107127 - 5021154E
160109132 - 5421152E	160107132 - 5021152E	160107132 - 5421154F
160107132 - 5020350D	160107132 - 5421152E	160108132 - 5021154E
160108132 - 5421150E	160108132 - 5421152E	160109127 - 5020358F
160109132 - 5020354E	160109127 - 5021156F	160109127 - 5021158F
160109132 - 5020356E	160109132 - 5421156F	160109127 - 5021160G
160110127 - 5021160G	160110127 - 5021156F	160109132 - 5020350D
160106132 - 5020352D	160108132 - 5020360F	160109132 - 5021152E
160107132 - 5021150D	160108132 - 5021150D	160110132 - 5020358F
160106132 - 5020350D	160108132 - 5021156F	160105132 - 5020352D

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160109127 - 5021150D
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160106132 - 5020354E
160106132 - 5021152E
160107127 - 5020348C
160108127 - 5020356E
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160108132 - 5421158G
160109127 - 5020352D
160109132 - 5020362G
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160106132 - 5421154F
160106132 - 5421156F
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160108127 - 5421158G
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160108132 - 5021148D
160108132 - 5090254E
160108132 - 5090260F
160108132 - 5401156F
160108132 - 5421160G
160109127 - 5020350D

160109127 - 5090268H	160110132 - 5000358F	160111127 - 5021158F
160109127 - 5421158G	160110132 - 5000362G	160111127 - 5421160G
160109127 - 5421160G	160110132 - 5020360F	160111132 - 5000358F
160109132 - 5000354E	160110132 - 5020364G	160111132 - 5020350D
160109132 - 5000358F	160110132 - 5021150D	160111132 - 5020356E
160109132 - 5020346B	160110132 - 5021152E	160111132 - 5020360F
160109132 - 5020366H	160110132 - 5021160G	160111132 - 5021160G
160109132 - 5021162G	160110132 - 5021162G	160111132 - 5421154F
160109132 - 5090258F	160110132 - 5081158F	160112127 - 5021160G
160109132 - 5401156F	160110132 - 5421152E	160112127 - 5021162G
160109132 - 5421162H	160110132 - 5421158G	160112132 - 5020356E
160110127 - 5020356E	160110132 - 5421160G	160112132 - 5021162G
160110127 - 5020362G	160111127 - 5020354E	
160110127 - 5021164H	160111127 - 5020358F	
160110127 - 5421156F	160111127 - 5021154E	

Catalog numbers used in the analysis of the Secur-Fit Max/Trident combination.

60510830S - 5421150E	60510730S - 5421154F	60511035S - 5401156F
60510935S - 5421154F	60520730S - 5021150D	60520935S - 5021156F
60510830S - 5421152E	60520830S - 5021152E	60521035S - 5421152E
60510935S - 5421152E	60520830S - 5421152E	60511035S - 5421150E
60511035S - 5421158G	60510830S - 5020352D	60520935S - 5020354E
60510730S - 5421150E	60510830S - 5421158G	60520935S - 5020358F
60510830S - 5421154F	60511140S - 5421156F	60510730S - 5020354E
60511035S - 5421154F	60520935S - 5421152E	60510730S - 5021152E
60510935S - 5421150E	60510830S - 5020356E	60510830S - 5021152E
60510935S - 5421156F	60520830S - 5020356E	60510830S - 5021156F
60511035S - 5421156F	60520830S - 5421154F	60510935S - 5020350D
60510935S - 5421158G	60520935S - 5021154E	60511035S - 5020352D
60510730S - 5421152E	60510625S - 5421150E	60511035S - 5020358F
60511035S - 5421152E	60510730S - 5020352D	60511035S - 5401152E
60510830S - 5020354E	60520730S - 5021152E	60520730S - 5421152E
60511035S - 5421160G	60521035S - 5421154F	60520830S - 5020358F
60510935S - 5020354E	60520730S - 5021154E	60520935S - 5021158F
60520830S - 5021154E	60520935S - 5020356E	60521035S - 5021158F
60510830S - 5421156F	60520935S - 5421154F	60521035S - 5421156F
60511035S - 5020356E	60510625S - 5421148D	60510625S - 5421152E
60511140S - 5421158G	60510830S - 5401150E	60510830S - 5021154E
60510730S - 5421148D	60510935S - 5020352D	60510935S - 5401152E
60510935S - 5020356E	60510935S - 5020358F	60511035S - 5021156F
60510830S - 5421148D	60510935S - 5021154E	60511035S - 5401154F
60510935S - 5401150E	60510935S - 5401154F	60511140S - 5421160G
60520830S - 5021156F	60511035S - 5020360F	60511240S - 5421160G

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60511140S - 5421164H
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Catalog numbers used in the analysis of the Secur-Fit Plus Max/Trident combination.

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60541014S - 5421154F	S2337HF10 - 5421154F	60540913S - 5020358F
60540812S - 5421154F	60540610S - 5421150E	60540913S - 5021152E
60540913S - 5421150E	60540711S - 5020354E	60540913S - 5021158F
60541014S - 5421158G	60540713S - 5421146D	60540913S - 5401154F
60541115S - 5421158G	60540915S - 5020358F	60540915S - 5020356E
60540913S - 5421156F	60541014S - 5020356E	60541014S - 5020354E
60541014S - 5421156F	60541014S - 5020358F	60541016S - 5421158G
60540913S - 5421158G	60541014S - 5421152E	60541117S - 5421154F
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60540711S - 5421154F	S2337HF07 - 5421156F	S2337HF08 - 5421148D
60540713S - 5421150E	S2337HF09 - 5421152E	S2337HF11 - 5421158G
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60540915S - 5421154F	60540713S - 5021150D	60540713S - 5021148D
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S2337HF09 - 5421154F	60540913S - 5020352D	60540713S - 5421148D
60540814S - 5421150E	60540915S - 5020354E	60540814S - 5020350D
60541115S - 5421154F	60540915S - 5021152E	60540814S - 5421146D
60540812S - 5020354E	60540915S - 5421158G	60540814S - 5421152E
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60540814S - 5421154F	60541016S - 5020358F	60540915S - 5021150D
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S2337HF08 - 5421150E	60541115S - 5421156F	60540915S - 5421152E
60540812S - 5421146D	60541117S - 5421158G	60541014S - 5020352D
60540610S - 5421146D	S2337HF07 - 5421148D	60541014S - 5020362G
60540812S - 5421156F	S2337HF10 - 5421158G	60541014S - 5021154E
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60541016S - 5421154F	60540612S - 5021148D	S2337HF09 - 5421158G
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60540812S - 5020350D	60540812S - 5021152E	60540511S - 5421146D

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S2337HF07 - 5021150D

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S2337HF08 - 5021150D	S2337HF10 - 5021148D	S2337HF11 - 5421152E
S2337HF08 - 5021152E	S2337HF10 - 5021156F	S2337HF11 - 5421154F
S2337HF08 - 5090256E	S2337HF10 - 5021158F	S2337HF11 - 5421162H
S2337HF08 - 5090260F	S2337HF10 - 5090260F	S2337HF11 - 5421164H
S2337HF08 - 5421160G	S2337HF10 - 5090262G	S2337HF12 - 5021156F
S2337HF09 - 5021150D	S2337HF10 - 5421148D	S2337HF12 - 5421154F
S2337HF09 - 5021152E	S2337HF10 - 5421150E	
S2337HF09 - 5021156F	S2337HF10 - 5421152E	

Catalog numbers used in the analysis of the SROM/Pinnacle combination.

523418 - 121722052	563517 - 121732050	523193 - 121701052
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563122N - 121722058	563517 - 121730048	563620 - 121732048
563124N - 121732054	563517 - 121730054	563620 - 121732062
563216L - 121732048	563518 - 121701054	563620 - 121732064
563216L - 121732052	563518 - 121722054	563620 - 121732066
563514 - 121722052	563518 - 121730038	563622 - 121730062
563514 - 121730038	563518 - 121732048	563622 - 121732052
563514 - 121730044	563518 - 121732054	563622 - 121732060
563514 - 121732054	563518 - 121732058	563624 - 121722062
563516 - 121701052	563618 - 121701052	563626 - 121730052
563516 - 121701054	563618 - 121701058	563626 - 121732056
563516 - 121722054	563618 - 121722050	563626 - 121732058
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563516 - 121730044	563618 - 121730046	
563516 - 121730048	563618 - 121730050	

Catalog numbers used in the analysis of the Summit/Pinnacle combination.

157001110 - 121732052	157001090 - 121732052	157011100 - 121732054
157001100 - 121732052	157001135 - 121732056	157011110 - 121722056
157001110 - 121722052	157011100 - 121732052	157001090 - 121722050
157001100 - 121722052	157011135 - 121732056	157001135 - 121722054
157011110 - 121722052	157001120 - 121732054	157001135 - 121732052
157011110 - 121722054	157011090 - 121722048	157011120 - 121732052
157011135 - 121722056	157001120 - 121722054	157001100 - 121722048
157011120 - 121722054	157011100 - 121722050	157011120 - 121722058
157011100 - 121722052	157011110 - 121732056	157001120 - 121722050
157011135 - 121722054	157011110 - 121722050	157001135 - 121732054
157001100 - 121722050	157001110 - 121722054	157011150 - 121722056
157011120 - 121722056	157011120 - 121732056	157001110 - 121732050
157001110 - 121732054	157011110 - 121732052	157011120 - 121732054
157001110 - 121722050	157001135 - 121722052	157011135 - 121722052
157001120 - 121722052	157011090 - 121722052	157011135 - 121732058
157001120 - 121732052	157011150 - 121722058	157001100 - 121732054
157011120 - 121722052	157001090 - 121722048	157001110 - 121732056
157011110 - 121732054	157001135 - 121722056	157011120 - 121732058
157011135 - 121722058	157011090 - 121722050	157001090 - 121722052
157001120 - 121732056	157011100 - 121722048	157011135 - 121732054

157001100 - 121732050	157001120 - 121722058	157011090 - 121722056
157001120 - 121732058	157001135 - 121722058	157011090 - 121731052
157011080 - 121722048	157001150 - 121732054	157011090 - 121732054
157011090 - 121732052	157011110 - 121722048	157011110 - 121731052
157011135 - 121732060	157001150 - 121722054	157011135 - 121701054
157001120 - 121722056	157001150 - 121732060	157011150 - 121722062
157001135 - 121732058	157011100 - 121732050	157011165 - 121722060
157001110 - 121732048	157011135 - 121732062	157001070 - 121732048
157011100 - 121722054	157001080 - 121722050	157001100 - 121732058
157011135 - 121722060	157001080 - 121732048	157001110 - 121731054
157001090 - 121732050	157001090 - 121722054	157001150 - 121731056
157011150 - 121732058	157001100 - 121722056	157001165 - 121732060
157011100 - 121732056	157001120 - 121722048	157011100 - 121701052
157001100 - 121732056	157011080 - 121732048	157011110 - 121701050
157001080 - 121722048	157011090 - 121732056	157011120 - 121701052
157001150 - 121732056	157011120 - 121731054	157011120 - 121732050
157011120 - 121732060	157011135 - 121731054	157011120 - 121732062
157001110 - 121722048	157011150 - 121732054	157011135 - 121701056
157001110 - 121732058	157011150 - 121732062	157011165 - 121732062
157001110 - 121731052	157001120 - 121731052	157001100 - 121730052
157001120 - 121732050	157001120 - 121732060	157001135 - 121722050
157001135 - 121732060	157001165 - 121722056	157001135 - 121722060
157011120 - 121722050	157011090 - 121732048	157001150 - 121732062
157001100 - 121722054	157011090 - 121732050	157001165 - 121722054
157001100 - 121732048	157011100 - 121701048	157001165 - 121732054
157011110 - 121701052	157011110 - 121701054	157001165 - 121732056
157011110 - 121732058	157011110 - 121731050	157001165 - 121732058
157011150 - 121722060	157011135 - 121731058	157011080 - 121722052
157001090 - 121732048	157011165 - 121722056	157011100 - 121731052
157011135 - 121732052	157001080 - 121730046	157011100 - 121732048
157011150 - 121722054	157001110 - 121731050	157011110 - 121731056
157011150 - 121732056	157001110 - 121732060	157011120 - 121701054
157001150 - 121722058	157001135 - 121731056	157011135 - 121731056
157011110 - 121732050	157001135 - 121732050	157011135 - 121732050
157001090 - 121732054	157001150 - 121732052	157011165 - 121722054
157001120 - 121731054	157011080 - 121722050	157001070 - 121722048
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157011100 - 121722056	157011110 - 121731054	157001080 - 121722052
157011120 - 121701056	157011120 - 121722060	157001080 - 121722054
157001080 - 121732052	157011135 - 121722050	157001080 - 121732050
157001110 - 121722056	157011165 - 121722062	157001100 - 121731048
157001135 - 121731054	157011165 - 121732060	157001100 - 121731052
157001150 - 121722056	157001090 - 121730046	157001120 - 121731056
157011110 - 121722058	157001090 - 121732056	157001135 - 121732048
157011150 - 121732060	157001100 - 121731050	157001135 - 121732062
157011165 - 121722058	157001150 - 121722052	157001150 - 121722060

157001165 - 121722060	157011150 - 121731058	157011120 - 121731052
157003090 - 121732048	157011165 - 121732054	157011120 - 121731058
157003120 - 121732052	157013100 - 121732052	157011135 - 121701050
157011070 - 121732048	157001070 - 121722050	157011135 - 121701052
157011080 - 121732052	157001070 - 121732052	157011135 - 121701060
157011090 - 121701048	157001090 - 121731048	157011135 - 121722062
157011090 - 121701052	157001100 - 121701052	157011135 - 121730064
157011090 - 121731050	157001100 - 121730048	157011135 - 121731062
157011100 - 121731048	157001100 - 121730056	157011150 - 121701056
157011110 - 121732048	157001100 - 121731054	157011150 - 121701060
157011135 - 121701058	157001110 - 121701056	157011150 - 121730062
157011135 - 121731052	157001110 - 121730044	157011150 - 121731060
157011135 - 121732064	157001110 - 121730046	157011150 - 121732052
157011150 - 121701054	157001110 - 121730054	157011180 - 121722054
157011165 - 121732056	157001120 - 121731058	157011180 - 121732060
157011165 - 121732058	157001135 - 121701056	157013090 - 121732048
157013110 - 121732052	157001150 - 121722062	157013100 - 121731050
157001080 - 121732054	157001165 - 121722062	157013100 - 121732048
157001100 - 121730046	157001165 - 121731056	157013100 - 121732054
157001100 - 121730054	157001180 - 121722056	157013100 - 121732056
157001110 - 121701048	157001180 - 121732056	157013110 - 121722048
157001110 - 121722058	157003080 - 121732048	157013120 - 121732054
157001110 - 121730058	157003090 - 121732054	157013135 - 121722056
157001110 - 121731048	157003100 - 121732048	157001070 - 121720046
157001135 - 121731052	157003100 - 121732052	157001070 - 121730046
157001135 - 121731058	157003110 - 121732052	157001070 - 121730048
157001165 - 121722058	157003120 - 121732054	157001080 - 121701048
157001165 - 121732052	157011070 - 121732050	157001080 - 121701052
157011070 - 121730046	157011080 - 121701048	157001080 - 121720046
157011080 - 121730046	157011080 - 121730052	157001080 - 121732060
157011080 - 121732050	157011080 - 121731052	157001080 - 121732062
157011090 - 121701050	157011100 - 121701050	157001090 - 121722056
157011090 - 121731048	157011100 - 121703052	157001090 - 121730044
157011090 - 121732058	157011100 - 121722060	157001090 - 121730050
157011100 - 121701054	157011100 - 121730046	157001090 - 121730052
157011100 - 121722058	157011100 - 121730052	157001090 - 121730054
157011100 - 121732058	157011100 - 121731054	157001090 - 121730056
157011110 - 121701048	157011110 - 121722060	157001100 - 121701050
157011110 - 121701056	157011110 - 121730052	157001100 - 121701054
157011120 - 121722062	157011110 - 121731048	157001100 - 121703048
157011135 - 121731050	157011110 - 121731058	157001100 - 121703052
157011150 - 121701052	157011110 - 121732060	157001100 - 121720046
157011150 - 121701058	157011110 - 121732062	157001100 - 121730044
157011150 - 121722052	157011120 - 121701050	157001100 - 121730050
157011150 - 121731054	157011120 - 121722048	157001100 - 121730058
157011150 - 121731056	157011120 - 121730056	157001100 - 121730064

157001100 - 121732060	157003090 - 121732050	157011110 - 121730060
157001110 - 121722060	157003100 - 121722048	157011110 - 121731060
157001110 - 121730052	157003100 - 121722050	157011110 - 121732064
157001110 - 121731056	157003100 - 121730052	157011120 - 121701048
157001110 - 121731058	157003100 - 121730054	157011120 - 121701058
157001120 - 121701054	157003100 - 121732050	157011120 - 121703056
157001120 - 121730052	157003110 - 121730054	157011120 - 121720054
157001120 - 121730054	157003120 - 121732056	157011120 - 121722064
157001120 - 121730056	157003135 - 121722058	157011120 - 121730052
157001120 - 121730062	157003135 - 121732050	157011120 - 121730054
157001120 - 121730064	157003135 - 121732052	157011120 - 121730058
157001120 - 121731048	157003150 - 121722050	157011120 - 121730060
157001120 - 121731060	157003150 - 121732054	157011120 - 121731050
157001120 - 121732048	157011070 - 121722050	157011120 - 121731056
157001120 - 121732062	157011070 - 121722054	157011120 - 121731060
157001120 - 121732064	157011070 - 121730044	157011120 - 121732048
157001135 - 121701050	157011070 - 121732052	157011135 - 121703056
157001135 - 121701054	157011070 - 121732054	157011135 - 121722048
157001135 - 121722048	157011080 - 121701050	157011135 - 121730052
157001135 - 121730052	157011080 - 121701052	157011135 - 121730056
157001135 - 121730060	157011080 - 121722056	157011135 - 121730058
157001135 - 121730062	157011080 - 121730044	157011135 - 121730062
157001135 - 121730066	157011080 - 121731048	157011135 - 121731060
157001135 - 121732064	157011080 - 121732054	157011135 - 121732048
157001150 - 121722048	157011090 - 121703050	157011135 - 121732066
157001150 - 121730064	157011090 - 121730044	157011150 - 121731052
157001150 - 121731052	157011090 - 121730046	157011150 - 121732064
157001150 - 121731054	157011090 - 121730048	157011165 - 121701056
157001150 - 121731058	157011090 - 121730056	157011165 - 121701058
157001150 - 121732064	157011100 - 121701056	157011165 - 121722052
157001165 - 121701056	157011100 - 121701058	157011165 - 121722064
157001165 - 121722052	157011100 - 121703054	157011165 - 121722066
157001165 - 121730054	157011100 - 121703056	157011165 - 121731060
157001165 - 121731052	157011100 - 121720046	157011165 - 121732052
157001165 - 121731054	157011100 - 121730054	157011165 - 121732064
157001165 - 121732064	157011100 - 121730056	157011180 - 121722058
157001180 - 121722054	157011100 - 121731050	157011180 - 121722060
157001180 - 121722058	157011100 - 121731056	157011180 - 121732058
157001180 - 121722060	157011100 - 121732060	157011180 - 121732062
157001180 - 121722066	157011110 - 121701058	157013090 - 121717062
157001180 - 121732058	157011110 - 121701060	157013090 - 121732052
157001180 - 121732060	157011110 - 121703052	157013090 - 121732056
157003080 - 121732050	157011110 - 121703054	157013100 - 121732050
157003080 - 121732052	157011110 - 121730048	157013110 - 121731048
157003090 - 121730050	157011110 - 121730054	157013110 - 121732048
157003090 - 121731048	157011110 - 121730056	157013110 - 121732054

157013110 - 121732056	157013120 - 121732058	157013135 - 121732062
157013120 - 121722056	157013135 - 121730054	157013150 - 121732056
157013120 - 121731050	157013135 - 121732058	157013150 - 121732062
157013120 - 121732052	157013135 - 121732060	

Catalog numbers used in the analysis of the Synergy/Reflection 3 combination.

71306113 - 71335552	71306115 - 71335558	71306113 - 71335548
71306613 - 71335552	71306612 - 71335554	71306114 - 71331854
71306114 - 71335552	71306615 - 71335558	71306114 - 71335560
71306114 - 71335554	71306616 - 71335554	71306115 - 71331856
71306116 - 71335556	71306616 - 71335558	71306115 - 71335560
71306614 - 71335554	71306612 - 71331854	71306116 - 71331854
71306115 - 71335556	71306614 - 71335548	71306116 - 71331856
71306614 - 71335552	71306615 - 71335556	71306611 - 71331848
71306615 - 71335552	71306616 - 71335560	71306611 - 71331850
71306112 - 71335552	71306112 - 71331850	71306611 - 71335550
71306114 - 71335556	71306113 - 71331854	71306612 - 71331848
71306115 - 71335554	71306113 - 71335556	71306613 - 71331856
71306115 - 71335552	71306114 - 71331858	71306613 - 71335556
71306613 - 71335554	71306118 - 71335558	71306613 - 71335558
71306112 - 71335554	71306612 - 71335556	71306615 - 71331856
71306113 - 71335554	71306613 - 71331850	71306615 - 71335548
71306116 - 71335560	71306613 - 71331852	71306615 - 71335560
71306615 - 71335554	71306614 - 71335558	71306617 - 71335552
71306116 - 71335558	71306617 - 71335554	71306617 - 71335562
71306117 - 71335556	71306112 - 71335548	71306618 - 71335556
71306612 - 71335552	71306113 - 71331850	71316216 - 71335556
71306113 - 71335550	71306113 - 71331856	71926107 - 71335558
71306116 - 71335554	71306114 - 71335562	71306111 - 71335548
71306612 - 71335550	71306115 - 71331858	71306111 - 71335550
71306614 - 71335550	71306116 - 71331858	71306111 - 71335552
71306616 - 71335552	71306116 - 71335552	71306112 - 71331848
71306112 - 71331854	71306116 - 71335562	71306113 - 71331848
71306112 - 71335550	71306117 - 71335560	71306113 - 71331852
71306614 - 71335556	71306117 - 71335562	71306113 - 71335558
71306114 - 71331856	71306611 - 71335552	71306114 - 71331852
71306117 - 71335558	71306612 - 71331852	71306115 - 71331854
71306612 - 71331850	71306613 - 71335548	71306117 - 71335552
71306612 - 71335548	71306614 - 71331854	71306117 - 71335564
71306613 - 71335550	71306614 - 71335560	71306118 - 71335556
71306616 - 71335556	71306111 - 71335554	71306118 - 71335560
71306114 - 71335550	71306112 - 71331852	71306611 - 71335548
71306114 - 71335558	71306112 - 71335556	71306612 - 71335546

71306613 - 71331854	71306116 - 71331852	71306615 - 71338668
71306614 - 71331852	71306116 - 71331860	71306616 - 71331850
71306614 - 71331860	71306116 - 71331862	71306616 - 71331854
71306615 - 71331852	71306116 - 71338669	71306616 - 71331862
71306615 - 71335550	71306117 - 71331854	71306616 - 71335564
71306616 - 71331856	71306117 - 71331858	71306617 - 71335550
71306616 - 71335548	71306117 - 71331864	71306617 - 71335556
71306618 - 71335558	71306117 - 71335554	71306617 - 71335558
71316013 - 71335552	71306117 - 71335566	71306617 - 71335560
71316014 - 71335550	71306118 - 71331856	71306618 - 71335552
71316211 - 71335554	71306118 - 71331858	71316009 - 71335552
71316212 - 71335552	71306118 - 71335552	71316010 - 71335548
71926107 - 71335560	71306118 - 71335554	71316010 - 71335550
71306110 - 71331850	71306118 - 71335562	71316011 - 71335550
71306110 - 71331852	71306118 - 71335564	71316011 - 71335554
71306110 - 71331854	71306118 - 71335568	71316012 - 71335552
71306110 - 71335552	71306118 - 71338675	71316012 - 71335554
71306110 - 71335560	71306608 - 71338664	71316014 - 71335552
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71306111 - 71331858	71306610 - 71335556	71316016 - 71335552
71306111 - 71335556	71306610 - 71338665	71316016 - 71338671
71306111 - 71335560	71306611 - 71331852	71316017 - 71335552
71306112 - 71331856	71306611 - 71331858	71316210 - 71335550
71306112 - 71331860	71306612 - 71331856	71316212 - 71335548
71306112 - 71338665	71306612 - 71331858	71316212 - 71335554
71306113 - 71331858	71306612 - 71335560	71316215 - 71335552
71306113 - 71335562	71306613 - 71331848	71316215 - 71335554
71306114 - 71331862	71306613 - 71331860	71316216 - 71335552
71306114 - 71335548	71306613 - 71335560	71316216 - 71335554
71306115 - 71331850	71306614 - 71331850	71316217 - 71335558
71306115 - 71331852	71306614 - 71331856	71316217 - 71338669
71306115 - 71335548	71306614 - 71331862	71926107 - 71335562
71306115 - 71335550	71306614 - 71338665	

Catalog numbers used in the analysis of the Taperloc 133/Continuum combination.

51103100 - 00875705201	51104130 - 00875705401	51100060 - 00875705001
51103130 - 00875705401	51103100 - 00875705401	51100080 - 00875705001
51103110 - 00875705401	51103120 - 00875705601	51100080 - 00875705201
51103120 - 00875705401	51104160 - 00875705601	51103110 - 00875705601
51103120 - 00875705201	51104160 - 00875705801	51103130 - 00875705601
51103090 - 00875705201	51103110 - 00875705201	51103140 - 00875705401
51104120 - 00875705401	51104110 - 00875705601	51104100 - 00875705201

51104110 - 00875705201
51104120 - 00875705601
51104140 - 00875705601
51103100 - 00875705001
51103130 - 00875705201
51100070 - 00875705001
51103090 - 00875705001
51103160 - 00875705801
51104140 - 00875705401
51104150 - 00875705801
51104170 - 00875706001
51100070 - 00875705201
51103090 - 00875705401
51103150 - 00875705401
51104130 - 00875705201
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51104150 - 00875705401
51104170 - 00875705801
51100050 - 00875704801
51100050 - 00875705201
51100060 - 00875705201
51103100 - 00875705801
51103110 - 00875705001
51103130 - 00875705801
51103170 - 00875705801
51104090 - 00875705001
51104090 - 00875705201
51104100 - 00875705401
51100080 - 00875705401
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51103120 - 00875705001
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51103140 - 00875705601
51103150 - 00875705601
51103180 - 00875705801
51104100 - 00875705001
51104110 - 00875705801
51104120 - 00875706001
51104130 - 00875705602
51104140 - 00875705402
51104150 - 00875705402
51104150 - 00875706401
51104160 - 00875705802
51104160 - 00875706201
51104170 - 00875705402
51104170 - 00875706201
51104180 - 00875706001
51100040 - 00875705001
51100050 - 00875705001
51100050 - 00875705401
51101060 - 00875704801
51101060 - 00875705201
51101070 - 00875704402
51104120 - 00875706001
51104130 - 00875705602
51104140 - 00875705402
51104200 - 00875705802
51104200 - 00875706001
51100060 - 00875704801
51100070 - 00875704801
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Catalog numbers used in the analysis of the Taperloc 133/G7 combination.

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51103160 - 110017106	51104090 - 110017106	51104150 - 110010243
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Catalog numbers used in the analysis of the Taperloc 133/Regenerex RingLoc+ combination.

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51104150 - PT104056
51104150 - PT116060
51104160 - PT104056
51104160 - PT116052
51104160 - PT116054
51104160 - PT116058
51104160 - PT116062
51104170 - PT104058
51104170 - PT106068
51104170 - PT106072
51104170 - PT116050
51104170 - PT116056
51104180 - PT104050
51104180 - PT104058
51104180 - PT106062
51104180 - PT116056
51104180 - PT116058
51104220 - PT104060

Catalog numbers used in the analysis of the Taperloc 133/RingLoc+ combination.

51104110 - 16104154	51101050 - 16104150	51104180 - 16104154
51103100 - 16104154	51103150 - 16104158	51104180 - 16104158
51104130 - 16104154	51104130 - 16104150	51100040 - 16104150
51104100 - 16104154	51104140 - 16104158	51100060 - 16104154
51104110 - 16104152	51104150 - 16104160	51100070 - 16104150
51101080 - 16104150	51104160 - 16104158	51100070 - 16104154
51104090 - 16104154	51100080 - 16104152	51101050 - 16104148
51104120 - 16104154	51101060 - 16104154	51101050 - 16104154
51104120 - 16104156	51103100 - 16116050	51101070 - 16104152
51104140 - 16104154	51100080 - 16104150	51103110 - 16104150
51104100 - 16104150	51101080 - 16104154	51103130 - 16104160
51104120 - 16104158	51103090 - 16116050	51103160 - 16104154
51103110 - 16104154	51103110 - 16104152	51103180 - 16104162
51104120 - 16104152	51103110 - 16104156	51104100 - 16116050
51103120 - 16104154	51103110 - 16116050	51104110 - 16104160
51103130 - 16104154	51104090 - 16104156	51104110 - 16116052
51104150 - 16104154	51104110 - 16104158	51104130 - 16104160
51103090 - 16104154	51104120 - 16104160	51104130 - 16116050
51103100 - 16104150	51104160 - 16104160	51104140 - 16104150
51104100 - 16104152	51100040 - 16104148	51104170 - 16116054
51104110 - 16104150	51100080 - 16116050	51104200 - 16104160
51104110 - 16104156	51101060 - 16104152	51100060 - 16104152
51104130 - 16104156	51103090 - 16104152	51100060 - 16116050
51101060 - 16104150	51103100 - 16104152	51100070 - 16104152
51104140 - 16104156	51103120 - 16104156	51101060 - 16104148
51104150 - 16104156	51103130 - 16104156	51101070 - 16104148
51104150 - 16104158	51103140 - 16104156	51103090 - 16104156
51101080 - 16104152	51103150 - 16104154	51103100 - 16104158
51103090 - 16104150	51103160 - 16116054	51103100 - 16116052
51104090 - 16104152	51103170 - 16104158	51103120 - 16104152
51104100 - 16104156	51104130 - 16116052	51103130 - 16116052
51104120 - 16104150	51104130 - 16116054	51103140 - 16116052
51101070 - 16104150	51104140 - 16104152	51103150 - 16104156
51103130 - 16104158	51100050 - 16104150	51103150 - 16104160
51104090 - 16104150	51100060 - 16104150	51103160 - 16104160
51104160 - 16104154	51101070 - 16104154	51103170 - 16104160
51104160 - 16104156	51103100 - 16104156	51103180 - 16104160
51103110 - 16104158	51103120 - 16104158	51104090 - 16116052
51104130 - 16104152	51103140 - 16104158	51104100 - 16104158
51104130 - 16104158	51103160 - 16104158	51104120 - 16116052
51104170 - 16104158	51104110 - 16116050	51104120 - 16116054
51100080 - 16104154	51104170 - 16104156	51104140 - 16104160

51104150 - 16104152	51104110 - 16116054	51103090 - 16116058
51104150 - 16116054	51104120 - 16104162	51103100 - 16104160
51104150 - 16116058	51104120 - 16116050	51103110 - 16116046
51104150 - 16116060	51104130 - 16104162	51103110 - 16116048
51104160 - 16116052	51104130 - 16116058	51103120 - 16104160
51104160 - 16116056	51104140 - 16116054	51103120 - 16104166
51104170 - 16104154	51104150 - 16116056	51103120 - 16116054
51104170 - 16116056	51104160 - 16104164	51103120 - 16116056
51104180 - 16104160	51104160 - 16116058	51103120 - 16116060
51104200 - 16116058	51104170 - 16104160	51103130 - 16104150
51100050 - 16104148	51104170 - 16104162	51103130 - 16104152
51100050 - 16116050	51104180 - 16104156	51103130 - 16104162
51100060 - 16116046	51104180 - 16104162	51103130 - 16116054
51100070 - 16116050	51104180 - 16116060	51103140 - 16104152
51100080 - 16104158	51104180 - 16116062	51103140 - 16104160
51101050 - 16104146	51104180 - 16116064	51103140 - 16104164
51101050 - 16104152	51104200 - 16104158	51103140 - 16116054
51101060 - 16104156	51104220 - 16104166	51103150 - 16116050
51101060 - 16104158	51100040 - 16104146	51103150 - 16116056
51101070 - 16116054	51100040 - 16104152	51103150 - 16116058
51101080 - 16104148	51100050 - 16104146	51103160 - 16104162
51101080 - 16104156	51100050 - 16104154	51103170 - 16104154
51101080 - 16104158	51100050 - 16116052	51103170 - 16104164
51103110 - 16104160	51100060 - 16104146	51103180 - 16104156
51103110 - 16116052	51100060 - 16104158	51103180 - 16104164
51103110 - 16116054	51100070 - 16104156	51103200 - 16104154
51103120 - 16104162	51100080 - 16104148	51103200 - 16104156
51103120 - 16116048	51100080 - 16104156	51103200 - 16104160
51103120 - 16116050	51100080 - 16116048	51103240 - 16104162
51103120 - 16116052	51100080 - 16116052	51104090 - 16104146
51103130 - 16116050	51101050 - 16116050	51104090 - 16104148
51103140 - 16104150	51101060 - 16104146	51104100 - 16116046
51103140 - 16104154	51101060 - 16116048	51104100 - 16116048
51103150 - 16104152	51101060 - 16116050	51104100 - 16116056
51103150 - 16104162	51101070 - 16104158	51104120 - 16116048
51103150 - 16116052	51101070 - 16116050	51104120 - 16116056
51103160 - 16104152	51101080 - 16104146	51104130 - 16116048
51103160 - 16104156	51101080 - 16104160	51104130 - 16116056
51103170 - 16104156	51101080 - 16116046	51104130 - 16116060
51103180 - 16104158	51101080 - 16116048	51104130 - 16116062
51103200 - 16104158	51101080 - 16116050	51104140 - 16104162
51104090 - 16104158	51101100 - 16104154	51104140 - 16104164
51104090 - 16116050	51103090 - 16104158	51104140 - 16116046
51104090 - 16116054	51103090 - 16104160	51104140 - 16116050
51104100 - 16104148	51103090 - 16116052	51104140 - 16116052
51104100 - 16116052	51103090 - 16116056	51104150 - 16104150

51104150 - 16104162	51104160 - 16116054	51104200 - 16104162
51104150 - 16104164	51104170 - 16116060	51104200 - 16116054
51104150 - 16116050	51104180 - 16104164	51104220 - 16104160
51104150 - 16116052	51104180 - 16116054	51104220 - 16104164
51104160 - 16104150	51104180 - 16116056	51104240 - 16104158
51104160 - 16104152	51104200 - 16104152	
51104160 - 16104162	51104200 - 16104154	

Catalog numbers used in the analysis of the Taperloc 133 Microplasty/G7 combination.

51106110 - 010000664	51106090 - 010000663	51107090 - 010000662
51107150 - 010000666	51107110 - 110010244	51107090 - 110017102
51106100 - 010000663	51107110 - 110017105	51107100 - 110010244
51107130 - 010000665	51107120 - 110010245	51107100 - 110010245
51108080 - 010000663	51107130 - 010000664	51107110 - 010000662
51107140 - 010000665	51107150 - 110010247	51107110 - 110017102
51106130 - 010000665	51107160 - 010000665	51107130 - 110010246
51107110 - 010000664	51107160 - 010000666	51107140 - 010000663
51107120 - 010000665	51107180 - 010000667	51107150 - 110010246
51106100 - 010000662	51109070 - 010000663	51107160 - 010000667
51106100 - 010000664	51106090 - 010000664	51107160 - 110017107
51106110 - 010000665	51106120 - 010000662	51108070 - 010000662
51106130 - 010000664	51106150 - 010000666	51108070 - 010000663
51107130 - 110017105	51107110 - 110017103	51108080 - 110010243
51107150 - 110017105	51107120 - 010000663	51109080 - 010000664
51106090 - 010000662	51107120 - 110017103	51106100 - 010000665
51107110 - 110017104	51107120 - 110017104	51106100 - 110010244
51107140 - 010000666	51107120 - 110017105	51106120 - 110010245
51107150 - 010000665	51107130 - 110017106	51106200 - 010000666
51106110 - 010000663	51107140 - 110010244	51107090 - 010000665
51106120 - 010000663	51106110 - 010000662	51107100 - 110017102
51106120 - 010000665	51106130 - 010000666	51107110 - 010000666
51106140 - 010000666	51107090 - 110010243	51107110 - 110010245
51107090 - 010000664	51107100 - 110010243	51107110 - 110010246
51107100 - 010000663	51107130 - 110010245	51107110 - 110017106
51107110 - 010000665	51107150 - 110017106	51107120 - 110017102
51108080 - 010000662	51107160 - 110017106	51107130 - 110017103
51106120 - 010000664	51107170 - 010000665	51107130 - 110017104
51107090 - 010000663	51106110 - 110010243	51107140 - 110010246
51107110 - 010000663	51106120 - 010000666	51107140 - 110017104
51107120 - 010000664	51106120 - 110010243	51107140 - 110017106
51107120 - 110010246	51106130 - 010000663	51107150 - 110010245
51107130 - 010000666	51106140 - 010000665	51107170 - 110010247
51107160 - 110017105	51106150 - 010000665	51107170 - 110017106

51108060 - 010000662
51109070 - 110010243
51109080 - 010000663
51106110 - 010000666
51106110 - 110010245
51106120 - 110010244
51106130 - 110010246
51106130 - 110017105
51106170 - 010000666
51107100 - 010000664
51107100 - 110017103
51107120 - 010000666
51107120 - 110017106
51107130 - 010000663
51107130 - 010000667
51107130 - 110017102
51107140 - 110010247
51107140 - 110017103
51107150 - 010000667
51107170 - 110017105
51107180 - 110017106
51108060 - 010000663
51108060 - 110010243
51108070 - 110010243
51109050 - 110017102
51109080 - 010000662
51109080 - 110017103
51106090 - 110010244
51106090 - 110017105
51106100 - 110010243
51106100 - 110010245
51106100 - 110017103
51106110 - 110010244
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51106120 - 110010246
51106130 - 110010244
51106140 - 010000667
51106140 - 110010244
51106160 - 010000665
51106160 - 010000666
51106180 - 010000666
51106180 - 110010247
51107100 - 010000665
51107110 - 110010243
51107120 - 110010244
51107130 - 110010243
51107140 - 110010245
51107140 - 110017105
51107150 - 110017104
51107150 - 110017107
51107150 - 010000663
51107150 - 010000664
51107150 - 110010248
51107160 - 010000664
51107160 - 110010245
51107160 - 110017108
51107170 - 010000664
51107170 - 010000666
51107170 - 010000667
51107170 - 010000668
51107170 - 110010248
51107170 - 110017104
51107170 - 110017107
51108050 - 110010243
51108060 - 110010244
51108070 - 010000664
51108070 - 110010242
51108080 - 110010242
51109050 - 110010243
51109060 - 010000663
51109070 - 010000662
51109070 - 110010242
51109070 - 110017102
51109080 - 010000665
51109080 - 110010242
51109080 - 110017104
51106090 - 010000661
51106090 - 110010243
51106100 - 010000666
51106110 - 110010242
51106110 - 110017104
51106120 - 110017104
51106120 - 110017105
51106130 - 110010249
51106140 - 010000664
51106140 - 110017105
51106140 - 110017106
51106150 - 010000664
51106150 - 010000667
51106150 - 010000668
51106150 - 010000669
51106150 - 110010246
51106150 - 110017108
51106160 - 010000663
51106160 - 010000664
51106160 - 010000668
51106160 - 110010247
51106170 - 010000665
51106170 - 110010247
51106180 - 010000665

51106200 - 110017109	51109060 - 110010244	51106160 - 110017104
51106220 - 110017108	51109070 - 010000661	51106160 - 110017105
51107090 - 110010246	51109070 - 010000664	51106160 - 110017106
51107090 - 110017101	51109070 - 010000665	51106160 - 110017107
51107100 - 010000662	51109070 - 110017103	51106170 - 010000667
51107100 - 110010246	51109080 - 110010241	51106170 - 010000669
51107100 - 110010247	51109080 - 110010245	51106170 - 110010265
51107100 - 110017104	51109080 - 110017101	51106180 - 010000664
51107100 - 110017105	51106090 - 010000665	51106180 - 010000669
51107110 - 010000667	51106090 - 110010242	51106180 - 110010244
51107110 - 010000668	51106090 - 110010245	51106180 - 110010245
51107110 - 110010247	51106090 - 110010246	51106180 - 110010248
51107120 - 110017107	51106090 - 110017107	51106180 - 110010249
51107130 - 010000662	51106100 - 010000667	51106180 - 110017109
51107130 - 110010247	51106100 - 110010242	51106200 - 010000664
51107150 - 010000668	51106100 - 110010246	51106200 - 010000667
51107150 - 110017103	51106100 - 110017105	51106200 - 110010246
51107150 - 110017107	51106110 - 010000667	51106200 - 110010247
51107150 - 110017108	51106110 - 110010247	51106200 - 110017108
51107160 - 010000669	51106110 - 110017102	51106200 - 110017110
51107160 - 110010244	51106110 - 110017106	51106220 - 010000667
51107160 - 110010246	51106110 - 110017107	51106220 - 010000668
51107160 - 110017102	51106120 - 010000668	51106220 - 110010248
51107160 - 110017103	51106120 - 110010242	51107090 - 110010241
51107170 - 110010245	51106120 - 110010263	51107100 - 010000667
51107170 - 110017103	51106120 - 110017102	51107100 - 110010242
51107180 - 010000668	51106130 - 010000662	51107100 - 110010267
51107180 - 110010249	51106130 - 110010243	51107110 - 010000661
51107180 - 110017104	51106130 - 110010248	51107110 - 110010248
51107200 - 110010248	51106130 - 110010265	51107110 - 110017107
51108050 - 010000662	51106130 - 110010266	51107120 - 010000661
51108050 - 110010242	51106130 - 110017101	51107120 - 010000662
51108070 - 110010244	51106130 - 110017103	51107120 - 010000668
51108070 - 110017102	51106140 - 110010246	51107120 - 110010242
51108080 - 010000664	51106140 - 110010248	51107120 - 110010243
51108080 - 010000665	51106140 - 110010265	51107120 - 110010248
51108080 - 110010244	51106140 - 110017103	51107130 - 110010270
51108080 - 110017102	51106140 - 110017104	51107130 - 110017101
51109050 - 010000662	51106150 - 110010243	51107130 - 110017107
51109050 - 010000663	51106150 - 110010244	51107140 - 010000667
51109050 - 110010242	51106150 - 110010249	51107140 - 010000668
51109050 - 110017101	51106150 - 110010264	51107140 - 010000670
51109050 - 110017103	51106150 - 110010265	51107140 - 110010249
51109060 - 010000662	51106150 - 110017106	51107140 - 110017108
51109060 - 010000664	51106160 - 110010245	51107150 - 110010243
51109060 - 110010242	51106160 - 110010246	51107150 - 110017102

51107160 - 010000663	51107200 - 110017106	51108080 - 110010265
51107160 - 110010243	51107240 - 010000669	51108080 - 110017103
51107160 - 110010248	51108040 - 010000661	51108080 - 110017106
51107160 - 110017104	51108040 - 010000663	51109050 - 110010241
51107170 - 010000669	51108040 - 110010241	51109050 - 110010244
51107170 - 110017109	51108040 - 110010243	51109060 - 110010240
51107180 - 010000665	51108050 - 010000665	51109060 - 110010245
51107180 - 110010246	51108050 - 110010241	51109060 - 110017103
51107180 - 110017103	51108060 - 010000661	51109070 - 110010244
51107180 - 110017105	51108060 - 110010242	51109070 - 110010263
51107180 - 110017109	51108060 - 110010246	51109070 - 110017100
51107200 - 010000665	51108060 - 110017102	51109070 - 110017101
51107200 - 010000666	51108060 - 110017103	51109070 - 110017104
51107200 - 010000667	51108070 - 010000665	51109080 - 010000661
51107200 - 010000668	51108070 - 110017101	51109080 - 010000666
51107200 - 010000670	51108070 - 110017104	51109080 - 010000667
51107200 - 110010246	51108080 - 110010245	51109080 - 110010246
51107200 - 110010247	51108080 - 110010246	51109080 - 110017102
51107200 - 110010249	51108080 - 110010264	

Catalog numbers used in the analysis of the Trabecular Metal/Continuum combination.

00786401320 - 00875705200	00786401420 - 00875705401	00786401520 - 00875705600
00786401420 - 00875705200	00786401420 - 00875706001	00786401620 - 00875706001
00786401420 - 00875705801	00786401320 - 00875705000	00786401200 - 00875704801
00786401320 - 00875705400	00786401520 - 00875705800	00786401200 - 00875705801
00786401420 - 00875705400	00786401200 - 00875705001	00786401220 - 00875705600
00786401220 - 00875705401	00786401300 - 00875705801	00786401320 - 00875705800
00786401300 - 00875705201	00786401320 - 00875706001	00786401400 - 00875705201
00786401320 - 00875705600	00786401400 - 00875705401	00786401400 - 00875706201
00786401220 - 00875705000	00786401500 - 00875705801	00786401420 - 00875705000
00786401320 - 00875705601	00786401520 - 00875705801	00786401500 - 00875705601
00786401420 - 00875705600	00786401220 - 00875704800	00786401520 - 00875706001
00786401200 - 00875705201	00786401300 - 00875705001	00786401100 - 00875704801
00786401300 - 00875705401	00786401420 - 00875705800	00786401100 - 00875705201
00786401300 - 00875705601	00786401520 - 00875706201	00786401120 - 00875704800
00786401400 - 00875705801	00786401200 - 00875705000	00786401200 - 00875705601
00786401420 - 00875705601	00786401220 - 00875705601	00786401200 - 00875706001
00786401200 - 00875705401	00786401320 - 00875705201	00786401220 - 00875705801
00786401220 - 00875705201	00786401320 - 00875705402	00786401220 - 00875706001
00786401400 - 00875705601	00786401320 - 00875705801	00786401300 - 00875706001
00786401220 - 00875705001	00786401400 - 00875706001	00786401300 - 00875706201
00786401220 - 00875705200	00786401500 - 00875706201	00786401320 - 00875704800
00786401320 - 00875705401	00786401520 - 00875705401	00786401500 - 00875705401

00786401520 - 00875705200	00786401000 - 00875704601	00786401300 - 00875706401
00786401520 - 00875705400	00786401100 - 00875704800	00786401320 - 00875706401
00786401600 - 00875705801	00786401100 - 00875705002	00786401400 - 00875705400
00786401000 - 00875704801	00786401100 - 00875705202	00786401400 - 00875705402
00786401100 - 00875705001	00786401100 - 00875705601	00786401400 - 00875705800
00786401100 - 00875705401	00786401100 - 00875705801	00786401400 - 00875705802
00786401120 - 00875705201	00786401100 - 00875705802	00786401400 - 00875706602
00786401200 - 00875705402	00786401120 - 00875704601	00786401420 - 00875705001
00786401200 - 00875706201	00786401120 - 00875704801	00786401420 - 00875705402
00786401220 - 00875704801	00786401120 - 00875705000	00786401420 - 00875705802
00786401300 - 00875704801	00786401120 - 00875705202	00786401420 - 00875706002
00786401300 - 00875705000	00786401120 - 00875705601	00786401420 - 00875706200
00786401300 - 00875705402	00786401200 - 00875704601	00786401500 - 00875705000
00786401320 - 00875705802	00786401200 - 00875705002	00786401500 - 00875705602
00786401400 - 00875705001	00786401200 - 00875705602	00786401500 - 00875706401
00786401400 - 00875705200	00786401200 - 00875705802	00786401520 - 00875706000
00786401400 - 00875705602	00786401200 - 00875706002	00786401520 - 00875706002
00786401400 - 00875706401	00786401220 - 00875704601	00786401520 - 00875706602
00786401420 - 00875704800	00786401220 - 00875705400	00786401600 - 00875705401
00786401420 - 00875705201	00786401300 - 00875704800	00786401600 - 00875706401
00786401420 - 00875706000	00786401300 - 00875704802	00786401620 - 00875706402
00786401420 - 00875706201	00786401300 - 00875705200	00786401700 - 00875705400
00786401420 - 00875706401	00786401300 - 00875705202	00786401700 - 00875706601
00786401420 - 00875706402	00786401300 - 00875705400	00786401720 - 00875705800
00786401500 - 00875706001	00786401300 - 00875705600	00786401720 - 00875706001
00786401520 - 00875706401	00786401300 - 00875705602	00786401820 - 00875706000
00786401600 - 00875706201	00786401300 - 00875705802	7864015 - 00875706201
00786401620 - 00875705800	00786401300 - 00875706000	
00786401620 - 00875706201	00786401300 - 00875706002	

Catalog numbers used in the analysis of the Tri-Lock BPS/Pinnacle combination.

101204020 - 121732050	101204060 - 121732058	101204020 - 121732048
101204030 - 121732050	101204030 - 121732054	101204050 - 121722052
101204040 - 121732052	101204040 - 121732056	101214030 - 121732050
101204030 - 121732052	101214050 - 121732054	101214040 - 121732052
101204050 - 121732056	101214030 - 121732052	101214060 - 121732056
101204060 - 121732054	101214040 - 121732054	101214030 - 121732054
101204040 - 121732054	101204020 - 121732052	101214060 - 121732058
101204050 - 121732054	101204010 - 121732050	101204070 - 121732054
101204040 - 121732050	101204070 - 121732056	101214050 - 121732052
101204050 - 121732052	101204030 - 121732048	101204010 - 121732048
101214050 - 121732056	101204050 - 121732058	101214060 - 121722052
101204060 - 121732056	101204080 - 121732056	101204030 - 121722052

101204060 - 121722052	101214040 - 121722056	101214030 - 121722048
101204060 - 121722054	101204060 - 121703052	101214040 - 121701050
101214040 - 121701052	101204060 - 121722056	101214040 - 121701056
101204005 - 121732048	101204070 - 121722054	101214050 - 121732050
101204040 - 121722050	101204070 - 121732052	101214060 - 121701052
101204040 - 121722052	101204080 - 121722052	101214060 - 121732052
101204050 - 121732050	101214020 - 121722048	101214070 - 121722052
101204060 - 121732052	101214040 - 121722058	101214070 - 121732060
101214020 - 121732052	101214050 - 121701052	101214080 - 121722054
101214030 - 121722052	101214070 - 121732054	101214080 - 121722058
101214060 - 121732054	101214090 - 121732058	101214090 - 121732062
101214070 - 121732056	101204005 - 121732050	101214100 - 121732060
101204020 - 121732054	101204030 - 121701052	101204010 - 121722048
101204070 - 121732058	101204040 - 121703052	101204020 - 121722048
101214060 - 121722054	101204040 - 121722056	101204030 - 121722048
101204050 - 121722050	101204040 - 121732048	101204040 - 121732060
101204080 - 121732058	101204040 - 121732058	101204050 - 121703056
101214040 - 121722050	101204070 - 121703054	101204060 - 121722050
101214040 - 121722052	101204070 - 121722052	101204080 - 121722054
101214050 - 121722050	101204080 - 121732054	101204080 - 121722056
101214050 - 121722052	101204090 - 121722054	101204080 - 121722058
101214050 - 121732058	101204090 - 121732058	101204090 - 121722058
101214070 - 121732058	101214020 - 121732050	101204100 - 121722056
101204040 - 121722054	101214030 - 121701050	101214010 - 121722050
101204070 - 121722056	101214030 - 121732048	101214010 - 121722052
101214030 - 121722050	101214050 - 121722056	101214020 - 121732054
101214040 - 121722054	101204030 - 121732056	101214030 - 121701048
101214040 - 121732050	101204050 - 121703052	101214030 - 121701052
101214040 - 121732058	101214020 - 121722052	101214040 - 121703052
101214060 - 121722056	101214030 - 121732056	101214040 - 121732048
101214080 - 121732058	101214050 - 121722054	101214050 - 121732060
101204030 - 121703052	101214060 - 121722058	101214060 - 121703050
101204050 - 121722054	101214060 - 121732060	101214060 - 121722050
101204070 - 121722058	101214070 - 121722054	101214080 - 121701058
101214030 - 121722054	101214070 - 121732052	101214080 - 121732056
101214040 - 121732056	101214080 - 121722056	101214100 - 121732056
101214070 - 121722056	101214080 - 121732054	101204005 - 121720046
101204010 - 121732052	101214080 - 121732060	101204005 - 121722048
101204020 - 121722052	101204020 - 121722050	101204005 - 121732052
101204030 - 121722050	101204030 - 121722054	101204010 - 121722052
101204050 - 121722056	101204050 - 121701052	101204020 - 121722054
101204070 - 121732060	101204060 - 121703054	101204020 - 121732056
101214010 - 121732048	101204060 - 121722058	101204030 - 121722056
101214010 - 121732050	101204060 - 121732050	101204040 - 121701052
101214010 - 121732052	101204080 - 121732060	101204040 - 121703056
101214020 - 121732048	101214010 - 121701048	101204040 - 121722058

101204050 - 121701054	101214100 - 121722056	101204060 - 121732060
101204050 - 121732048	101214100 - 121732054	101204070 - 121722050
101204050 - 121732060	101214100 - 121732058	101204070 - 121722060
101204060 - 121701056	101214110 - 121732058	101204080 - 121701056
101204060 - 121703056	101204005 - 121703048	101204080 - 121703056
101204070 - 121701054	101204005 - 121730046	101204080 - 121722060
101204070 - 121703052	101204005 - 121730048	101204080 - 121722062
101204070 - 121732050	101204005 - 121732054	101204080 - 121732048
101204080 - 121732052	101204010 - 121703048	101204080 - 121732062
101204090 - 121722056	101204010 - 121722050	101204090 - 121703058
101204090 - 121732052	101204010 - 121730056	101204090 - 121722052
101204090 - 121732056	101204010 - 121731050	101204090 - 121722062
101204100 - 121732056	101204010 - 121732054	101204090 - 121732062
101204110 - 121722058	101204020 - 121701048	101204100 - 121722054
101214005 - 121732048	101204020 - 121701050	101204100 - 121722058
101214005 - 121732050	101204020 - 121703048	101204100 - 121732054
101214005 - 121732052	101204020 - 121722056	101204100 - 121732058
101214005 - 121732056	101204020 - 121722058	101204100 - 121732060
101214020 - 121701048	101204030 - 121703050	101204110 - 121722062
101214020 - 121701050	101204030 - 121703054	101204110 - 121732056
101214020 - 121731052	101204030 - 121722062	101204110 - 121732058
101214030 - 121703054	101204030 - 121732058	101204120 - 121722056
101214030 - 121731056	101204030 - 121732060	101204120 - 121722058
101214040 - 121701048	101204040 - 121701048	101204120 - 121722060
101214040 - 121701054	101204040 - 121703050	101214005 - 121732054
101214040 - 121703054	101204040 - 121703054	101214010 - 121701050
101214050 - 121701054	101204040 - 121722062	101214010 - 121703052
101214050 - 121701056	101204040 - 121730052	101214010 - 121720046
101214050 - 121703052	101204040 - 121730056	101214010 - 121722048
101214050 - 121703054	101204040 - 121730058	101214010 - 121731046
101214050 - 121703056	101204040 - 121731058	101214010 - 121731048
101214050 - 121722058	101204040 - 121732062	101214020 - 121703048
101214050 - 121732048	101204050 - 121701058	101214020 - 121703052
101214060 - 121701056	101204050 - 121703048	101214020 - 121720046
101214060 - 121703054	101204050 - 121703050	101214020 - 121722050
101214060 - 121732050	101204050 - 121703058	101214020 - 121722054
101214070 - 121701052	101204050 - 121722048	101214020 - 121731054
101214070 - 121701054	101204050 - 121730056	101214020 - 121732056
101214070 - 121703056	101204060 - 121701052	101214020 - 121732058
101214070 - 121703058	101204060 - 121701054	101214030 - 121701054
101214070 - 121730056	101204060 - 121703048	101214030 - 121703052
101214080 - 121701054	101204060 - 121703050	101214030 - 121730046
101214080 - 121701056	101204060 - 121722060	101214030 - 121732058
101214080 - 121703052	101204060 - 121722062	101214040 - 121703056
101214090 - 121722056	101204060 - 121730056	101214040 - 121703058
101214090 - 121722060	101204060 - 121731060	101214040 - 121722048

101214040 - 121730052	101214070 - 121722050	101214090 - 121701056
101214040 - 121731056	101214070 - 121722058	101214090 - 121703054
101214040 - 121732060	101214070 - 121722060	101214090 - 121703056
101214040 - 121732062	101214070 - 121722062	101214090 - 121722054
101214050 - 121701048	101214070 - 121722064	101214090 - 121722058
101214050 - 121701050	101214080 - 121701052	101214090 - 121732060
101214050 - 121730058	101214080 - 121703048	101214090 - 121732066
101214050 - 121732062	101214080 - 121722048	101214100 - 121722054
101214060 - 121730054	101214080 - 121722050	101214100 - 121732064
101214060 - 121731058	101214080 - 121722052	101214110 - 121722060
101214070 - 121701056	101214080 - 121722060	101214110 - 121732060
101214070 - 121701058	101214080 - 121722062	101214110 - 121732064
101214070 - 121701064	101214080 - 121730056	101214120 - 121732062
101214070 - 121703062	101214080 - 121732062	

CATALOG NUMBERS OF STEMS IN MARCQI DATABASE FOR THA CASES

Catalog numbers used in the analysis of the Accolade II stem.

67210535	67200737	67200127
67210635	67210837	67201040
67210435	67210937	67211140
67200535	67200837	67201140
67210737	67210230	67210027
67200435	67200230	67200027
67200635	67200937	
67210330	67211040	
67200330	67210127	

Catalog numbers used in the analysis of the Accolade TMZF stem.

60200335	60212530	60215537
60202530	60214535	60210130
60203535	60210435	60200637
60210335	60200537	60210637
60200435	60210537	60210740
60200230	60210230	60200030
60204535	60205537	60210030
60213535	60200130	

Catalog numbers used in the analysis of the Actis DuoFix stem.

101011060	101012020	101011010
101012040	101011030	101011100
101011050	101012070	101012090
101011040	101012080	101011110
101012050	101011020	101012100
101011070	101011080	
101012030	101011090	
101012060	101012010	

Catalog numbers used in the analysis of the AML stem.

155402135	155401106	155401180
155402121	155401150	155401195
155401121	155401165	155402195
155402150	155402106	155403150
155401135	155402180	155403180
155402165	155403135	

Catalog numbers used in the analysis of the Anthology stem.

71356006	71357107	71357112
71356005	71357109	71356111
71356007	71356002	71357011
71356004	71356109	71356102
71356003	71357005	71357012
71356008	71357009	71356012
71356106	71357004	71357002
71356107	71357110	71356101
71356105	71356103	71356112
71357007	71357111	71356013
71356108	71356110	71356114
71357006	71357105	71357001
71357108	71357003	71357101
71356009	71357010	71356014
71357008	71356011	71356113
71357106	71356001	71357102
71356104	71357104	
71356010	71357103	

Catalog numbers used in the analysis of the Avenir Muller stem.

0106010004	0106010104	0106010102
0106010002	0106010106	0106010008
0106010005	0106010001	0106010101
0106010003	0106010103	0106010108
0106010006	0106010007	0106010009
0106010105	0106010107	

Catalog numbers used in the analysis of the Corail stem.

3L92502	3L92510	L98011
3L92501	L20315	L98115
3L92503	3L92514	L98012
3L92500	3L92498	L98120
3L92504	3L92509	3L92518
3L92505	3L92515	L98015
3L92512	L20310	L98016
3L92499	L20316	L98018
3L92511	3L92508	L98112
3L92513	3L92507	L98113
L20312	3L92516	L98114
L20313	L20318	L98116
3L92506	L98013	
L20314	L98014	
L20311	L20309	

Catalog numbers used in the analysis of the Echo Bi-Metric stem.

192010	192015	192108
192012	192410	192409
192011	192411	192509
192013	192008	192408
192113	192109	192513
192112	192115	192407
192014	192116	192415
192111	192412	192512
192009	192414	192017
192114	192016	192510
192110	192413	192511

192117	192416	192516
192007	192515	192517
192107	192019	192518
192508	192119	
192018	192417	
192118	192514	

Catalog numbers used in the analysis of the Echo Bi-Metric Microplasty stem.

193012	193009	193107
193014	193109	192808
193013	193015	193018
193112	193016	193007
193111	193115	193019
193011	193108	193118
193110	193116	193119
193010	193008	
193113	193017	
193114	193117	

Catalog numbers used in the analysis of the Fitmore stem.

0100551306	0100551301	0100551106
0100551305	0100551404	0100551102
0100551307	0100551408	0100551313
0100551304	0100551208	0100551104
0100551308	0100551409	0100551108
0100551309	0100551201	0100551212
0100551303	0100551311	0100551103
0100551206	0100551403	0100551314
0100551310	0100551210	0100551105
0100551205	0100551402	0100551107
0100551302	0100551401	0100551412
0100551207	0100551202	0100551110
0100551204	0100551209	0100551109
0100551405	0100551410	0100551213
0100551406	0100551312	
0100551407	0100551211	
0100551203	0100551411	

Catalog numbers used in the analysis of the M/L Taper stem.

00771100900	00771101140	00771101720
00771101220	00771100920	00771100540
00771101320	00771100910	00771101600
00771101200	00771100710	00771100410
00771101000	00771101010	00771100620
00771100940	00771100720	00771100510
00771101100	00771100640	00771101700
00771100700	00771101500	00771102020
00771101120	00771100600	00771100520
00771100740	00771101110	00771102000
00771101520	00771101210	00771102220
00771101040	00771101620	00771102200
00771101240	00771100610	7711012
00771101300	00771100500	
00771101020	00771100440	

Catalog numbers used in the analysis of the M/L Taper Kinectiv stem.

00771301000	00771300500	7713011
00771301200	00771301600	7713006
00771301100	00771301700	
00771300900	7713007	7713013
00771300700	7713012	7713015
00771301300	00771302000	
00771301500	7713009	7713016
00771300600	7713010	

Catalog numbers used in the analysis of the Polarstem stem.

75100466	75100463	75018416
75100465	75100477	75018417
75100467	75100480	75100471
75100468	75100476	75102253
75100469	75100481	75102254
75100464	75018403	75018418
75100478	75018402	75102252
75100470	75100475	75018405
75100479	75018404	75100482

75102250	75102244	75100510
75018415	75102247	75102241
75100472	75102256	75102249
75102246	75018406	75102257
75100474	75100483	75018400
75102251	75102211	75100473
75102255	75102245	75102074
75018401	75102248	75102210
75018414	75102258	75102243
75018419	75018407	75102259
75102209	75018408	

Catalog numbers used in the analysis of the Secur-Fit stem.

160108132	160106132	160111127
160107132	160110132	160112132
160109132	160110127	160112127
160108127	160106127	
160107127	160105132	
160109127	160111132	

Catalog numbers used in the analysis of the Secur-Fit Max stem.

60510935S	60521035S	60510525S
60510830S	60520730S	60521340S
60511035S	60510625S	60511340S
60510730S	60511240S	60511440S
60520830S	60520625S	60510425S
60520935S	60521140S	
60511140S	60521240S	

Catalog numbers used in the analysis of the Secur-Fit Plus Max stem.

60540913S	S2337HF08	60540610S
60540812S	S2337HF07	60540612S
60541014S	60540713S	60541216S
60540711S	60541016S	S2337HF06
60541115S	S2337HF09	S2337HF11
60540814S	S2337HF10	60541218S
60540915S	60541117S	60540511S

S2337HF12
60540509S
60540812

60540915
60541216A
60541319S

S2337HF05
S2337HF13

Catalog numbers used in the analysis of the SROM stem.

523418
563618
563517
523420
563620
563516
523193
563518
523192
563622
523194
523422
563514

523291
523191
523292
523394
523293
523393
523395
523208
563626
563624
523195
523424
563118R

563122N
563216L
523197
523396
526516L
526520L
526520R
563118L
563118N
563120L
563120N
563124N

Catalog numbers used in the analysis of the Summit stem.

157001110
157011110
157011135
157011120
157001100
157001120
157011100
157001135
157001090
157011090
157011150
157001150

157001080
157011165
157011080
157001165
157001070
157011070
157013100
157001180
157013110
157003090
157003100
157011180

157003120
157013120
157013135
157013090
157003080
157003110
157003135
157003150
157013150

Catalog numbers used in the analysis of the Synergy stem.

71306114
71306614
71306613

71306115
71306116
71306113

71306615
71306112
71306612

71306616	71316214	71316016
71306117	71316013	71316211
71306611	71316015	71316217
71306617	71316215	71316010
71306111	71316216	71316017
71306118	71926107	71306608
71306618	71306110	71316009
71316212	71306610	71316210
71316014	71316012	
71316213	71316011	

Catalog numbers used in the analysis of the Taperloc stem.

11103205	13103207	11103200
11103203	13103206	12103206
11103204	11103201	12103207
11103208	103201	12103208
11103206	13103208	13103209
11103207	13103215	11103216
103205	103208	103215
103203	11103215	103216
103206	103200	11103210
11103202	11103209	12103211
103204	13103210	12103215
103202	103209	13103211
103207	12103210	

Catalog numbers used in the analysis of the Taperloc 133 stem.

51104120	51101080	51101050
51104130	51100080	51103170
51104110	51103150	51104200
51104100	51103140	51100040
51103110	51104170	51103200
51103100	51101070	51101120
51104140	51100070	51101150
51104090	51104180	51101130
51104150	51100060	51101100
51103120	51103160	51101110
51104160	51101060	51101140
51103130	51100050	51101090
51103090	51103180	51104220

51100090	51103220	51103240
51101160	51104240	
51101170	51100140	
51101180	51100160	

Catalog numbers used in the analysis of the Taperloc 133 Microplasty stem.

51107110	51107170	51109050
51107120	51109080	51106170
51107130	51108080	51106180
51107150	51106090	51106200
51107140	51106140	51107200
51106110	51107180	51108050
51107100	51109070	51107220
51107160	51106150	51106220
51106100	51108070	51108040
51107090	51108060	51107240
51106120	51106160	
51106130	51109060	

Catalog numbers used in the analysis of the Trabecular Metal stem.

00786401320	00786401520	00786401000
00786401420	00786401500	00786401700
00786401220	00786401100	00786401720
00786401300	00786401120	00786401820
00786401200	00786401600	7864015
00786401400	00786401620	

Catalog numbers used in the analysis of the Tri-Lock BPS stem.

101204040	101214060	101214090
101204050	101214070	101214100
101204030	101204080	101204100
101204060	101204010	101214005
101214040	101214020	101204110
101204020	101214080	101214110
101214050	101214010	101204120
101214030	101204005	101214120
101204070	101204090	

CATALOG NUMBERS OF CUPS IN MARCQI DATABASE FOR THA CASES

Catalog numbers used in the analysis of the Continuum cup.

00875705201	00875705002	00875706202
00875705401	00875705600	00875706402
00875705601	00875704802	00875706801
00875705801	00875705602	00875704402
00875706001	00875705802	00875706200
00875705001	00875705000	00875706602
00875704801	00875705800	00875704401
00875706201	00875704800	00875704002
00875705200	00875706002	00875706400
00875706401	00875706601	00875706802
00875705402	00875704601	00875707001
00875705202	00875704602	
00875705400	00875706000	

Catalog numbers used in the analysis of the Converge cup.

536100051	536100059	536000047
536100055	536000049	536100063
536100053	536000059	
536100049	536100061	636100049
536100057	536000053	536000065
536000051	536000061	
536000057	636100051	536200051
536000055	536000063	

Catalog numbers used in the analysis of the G7 cup.

010000664	110010246	110010248
010000663	110017103	110017106
010000665	110017102	010000668
110010244	110010247	010000661
010000662	110017104	110017101
010000666	110017105	110017107
110010245	010000667	110010249
110010243	110010242	110010266

110010241	010000660	110010261
110010265	110010268	110010272
010000669	110010269	110017099
110010264	110017109	110010239
110017108	010000670	110010251
110010263	110010262	110010271
110010267	110010240	110017110
110017100	010000671	
110010250	110010270	

Catalog numbers used in the analysis of the Pinnacle cup.

121732052	121701048	121731060
121732054	121703056	121701060
121722052	121730052	121720046
121732056	121730046	121730064
121732050	121731056	121732066
121722054	121701058	121722064
121732058	121731050	121701062
121722050	121722062	121703062
121722056	121730056	121730038
121732048	121730054	121730068
121722048	121703058	121722066
121732060	121732064	121731062
121722058	121731058	121701064
121701052	121703048	121703064
121732062	121703050	121717062
121703052	121731048	121720052
121701054	121730058	121720054
121722060	121730048	121730040
121701056	121730060	121730042
121731054	121730044	121730066
121701050	121703060	121731046
121703054	121730050	
121731052	121730062	

Catalog numbers used in the analysis of the Reflection cup.

71336450	71336454	71334158
71334154	71334156	71336458
71334152	71334150	71334160
71336452	71336456	71334162

71336446	71358065	71358026
71336460	71358066	71358068
71336448	71336462	743066
71334164	71358007	

Catalog numbers used in the analysis of the Reflection 3 cup.

71335552	71331858	71335564
71335554	71335562	71338663
71335556	71338665	71331862
71335550	71338666	71331846
71335558	71338667	71338671
71335548	71331860	71331864
71335560	71335546	71335566
71331854	71331848	71335568
71331856	71338668	71338675
71331852	71338664	
71331850	71338669	

Catalog numbers used in the analysis of the Regenerex RingLoc+ cup.

PT116052	PT106058	PT106052
PT116056	PT104050	PT106068
PT116054	PT106060	PT116066
PT116058	PT104054	PT104062
PT116060	PT106064	PT104066
PT116050	PT104052	PT106070
PT106054	PT104058	PT106072
PT106056	PT106062	PT116064
PT116048	PT104060	
PT116062	PT106066	
PT104056	PT104048	

Catalog numbers used in the analysis of the RingLoc cup.

14103654	14103660	14103558
14103656	14103662	14103562
14103652	14103554	14103556
14103650	14103560	14103552
14103658	14103564	14103664

11165214	14103566	11165228
11165216	14103666	14103668
11165218	11165224	

Catalog numbers used in the analysis of the RingLoc+ cup.

16104154	16116052	16116060
16104150	16104162	16116046
16104152	16104148	
16104156	16116056	16104166
16104158	16104146	16116062
16104160	16104164	
16116050	16116058	16116064
16116054	16116048	

Catalog numbers used in the analysis of the Trabecular Metal cup.

00620205222	00620205820	00620207022
00620205022	00620205821	00620206221
00620205422	00620204821	00620207020
00620204822	00620204622	00700005820
00620205622	00620205420	00620203822
00620205822	00620206222	00620204020
00620205021	00620204820	00620206620
00620205221	00620206220	00620206820
00620205421	00620206020	00700005420
00620206022	00620206021	00700005620
00620205621	00620204621	00712305648
00620205020	00620206420	
00620205620	00620206422	
00620205220	00620204422	

Catalog numbers used in the analysis of the Trident cup.

5021152E	5021156F	5021158F
5421150E	5021150D	5421156F
5020354E	5020352D	5021148D
5021154E	5020356E	5421158G
5421154F	5020358F	5020360F
5020350D	5421152E	5021160G

5421146D	5020148D	5090266H
5421148D	5090258F	5401146D
5000354E	5021164H	5021166H
5020348C	5000158F	65C3256
5020362G	5081152E	5001148D
5401150E	5020346B	5020162G
5021162G	5090260F	5090270I
5020152E	5081148D	5081146C
5000356E	5421162H	5401162H
5421160G	5090262G	65C3248
5000152E	5081150D	5401144C
5000358F	5401160G	5421142B
5401152E	5000362G	5000162G
5421144C	5401148D	5001158F
5401154F	5421164H	5020344A
5020156F	5020150D	5021168I
5000154E	5020160G	5401164H
5000360F	5020154E	5421168I
5401156F	5090264G	5000146C
5090254E	5020366H	5000164H
5000150D	5090268H	5020258F
5000352D	65C3252	5020266H
5090256E	65C3254	5021142A
5000148D	5000348C	50811480
5000350D	5021144B	5081162G
5401158G	5000364G	5081164H
5020364G	5081156F	5090272I
5000156F	5081158F	5401166I
5021146C	5081154E	65C3258
5001152E	65C3250	
5020158F	5000160G	

Catalog numbers used in the analysis of the Trident II cup.

7020452E	7021152E	7021158F
7020454E	7021150D	7021148D
7020456F	7020462G	7021160G
7020450D	7021156F	7021162G
7020458F	7020446C	7020464H
7020448D	7021154E	7090456F
7020460G	7421148D	

Catalog numbers used in the analysis of the Trilogy cup.

00620005222	00620005220	00620005424
00620005422	00620006221	00620005624
00620005022	00620005020	00620004820
00620005822	00620006422	00620005824
00620005622	00620005620	00620006024
00620006022	00620005021	00620006622
00620005821	00620005621	00620004620
00620006222	00620005820	00620006020
00620006021	00620005420	00620006624
00620005421	00620006224	620006220
00620004822	00620006421	
00620005221	00620005024	

Catalog numbers used in the analysis of the BHR/BHR combination.

74121150 - 74120156	74123156 - 74122162	74121146 - 74120154
74123148 - 74122154	74121142 - 74120148	74121150 - 74120158
74123152 - 74122158	74123144 - 74122150	74121158 - 74120164
74121154 - 74120160	74123148 - 74122156	74123140 - 74122148
74121146 - 74120152	74123152 - 74122160	

Catalog numbers used in the analysis of the BHR/BHR femoral component.

74121150	74121146	74121158
74123148	74123156	74123140
74123152	74121142	
74121154	74123144	

Catalog numbers used in the analysis of the BHR/BHR acetabular component.

74120156	74122162	74120154
74122154	74120148	74120158
74122158	74122150	74120164
74120160	74122156	74122148
74120152	74122160	

Specifications for knee chapter

Section 3.1 All total knee arthroplasty cases

Subsection 3.1.1. Descriptive statistics

Figure 167: All knee cases over time

Description of figure	All knee cases over time. There should be one line on this plot. Because this should go back to 2012 and the procedure coding changed in 2015, we should not specify what kind of cases these are. This is just to show growth for knees over time.
Inclusion criteria	(1) TKA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases,
Exclusion criteria	THA cases
Time window	2/15/2012 to 12/31/18

Figure 168: Percent of knee arthroplasty cases by primary or revision

Description of figure	This is a pie chart that gives the percentage of primary and revision knee cases. It is used to give the reader a general sense of this breakdown before we clearly state that the rest of the chapter will focus on primary procedures and – where appropriate – time to first revision.
Inclusion criteria	Primary and all revision knee cases (TKA, UKA, PFJ, other). Note: this includes all revisions, not just first revisions.
Exclusion criteria	THA cases

Figure 169: Percent of primary knee arthroplasty cases performed as TKA, UKA, and PFJ.

Description of figure	Percent of primary knee cases performed as TKA, UKA, PFJ
Inclusion criteria	All primary TKA, UKA, PFJ, other knee cases
Exclusion criteria	(1) THA cases, (2) all revision knee cases
Time window	2/15/2012 to 12/31/18

Section 3.2 TKA cases

Subsection 3.2.1. Descriptive statistics

Figure 170: Primary TKA cases over time

Description of figure	Primary TKA cases over time. There should be one line on this plot: number of primary cases over time. Because this should go back to 2012 and the procedure coding changed in 2015, we should not specify what kind of cases these are. This is just to show primary case growth for knees over time.
Inclusion criteria	primary TKA cases
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (4) revision knee arthroplasty cases
Time window	2/15/2012 to 12/31/18

Figure 171: Percent of primary TKA cases by sex.

Description of figure	Pie chart of breakdown of primary TKA cases by sex.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) All THA cases, (2) revision TKA cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 172: Age distribution of primary TKA cases by sex.

Description of figure	Histogram showing percentage breakdown of TKA cases by sex over age. X-axis is age. Plot three lines: male, female, and unknown. Unknown may be so small we should exclude it (approx. 0.06% overall). Denominator for each line is the number of that sex. For example, the point at 20 years of age for males would be the number of males aged 20 divided by the total number of males.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(2) All THA cases, (2) revision TKA cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Table 701: Descriptive statistics of TKA patients.

Description of figure	Descriptive statistics for those patients having primary TKA.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (4) revision knee arthroplasty cases.
Time window	2/15/2012 to 12/31/18

Figure 173: Percent of primary TKA cases by approach.

Description of figure	Percent of primary TKA cases using approach.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (4) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 174: Percent of primary TKA cases by diagnosis.

Description of figure	Percent of primary TKA cases by diagnosis.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (4) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 175: Percent of primary TKA cases by ASA class.

Description of figure	Percent of primary TKA cases by ASA class.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 176: Percent of primary TKA patients (first case) by thrombosis prophylaxis.

Description of figure	Percent of primary TKA patients (first case) by thrombosis pharmacoprophylaxis over time
Inclusion criteria	All primary TKA cases being the first primary TKA case for each patient over time
Exclusion criteria	(1) THA cases, (2) revision knees cases, (3) UKA cases, (4) PFJ cases, (5) primary TKA cases that are not the first primary TKA for the patient, (6) other knee cases
Time window	2/15/12 to 12/31/18

Subsection 3.2.2. Most commonly used TKA implants

Table 702: Ten most commonly used femoral components in primary TKA.

Description of figure	Ten most commonly used femoral components in primary TKA.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Table 703: Ten most commonly used tibial components in primary TKA.

Description of figure	Ten most commonly used tibial components in primary
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Table 704: Ten most commonly used femoral/tibial component combinations in primary TKA.

Description of figure	Ten most commonly used femoral/tibial component combinations in primary TKA.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 177: Percent of polyethylene inserts by type of polyethylene in primary TKA

Description of figure	Percentage of polyethylene inserts by type of polyethylene in primary TKA.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Subsection 3.2.3. TKA revision risk summary

Table 705: Reasons for first revision following primary TKA.

Description of figure	Reasons for first revision following primary TKA
Inclusion criteria	All first revision cases following primary TKA
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) UKA cases, (4) other knee cases, (5) primary knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 706: Reasons for first revision following TKA in first year post-operatively.

Description of figure	Reasons for first revision following primary TKA for revisions occurring within 365 days of the primary procedure
Inclusion criteria	All first revision cases following primary TKA performed within 365 days of the primary procedure
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) UKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions past 365 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 707: Reasons for first revision following TKA in second year post-operatively.

Description of figure	Reasons for first revision following primary TKA for revisions occurring between 366 and 730 days of the primary procedure
Inclusion criteria	All first revision cases following primary TKA performed between 366 days and within 730 days of the primary procedure
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) UKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions performed between 0 and 365 days or after 730 days (>731 days)
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 708: Reasons for first revision following TKA in third year post-operatively.

Description of figure	Reasons for first revision following primary TKA for revisions occurring within 731 days of the primary procedure
Inclusion criteria	All first revision cases following primary TKA performed between 731 days and within 1095 days of the primary procedure
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) UKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions occurring ≤730 days or >1095 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Figure 178: Reasons for first revision following primary TKA (Pareto chart).

Description of figure	Reasons for first revision following primary TKA
Inclusion criteria	All first revision cases following primary TKA
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) UKA cases, (4) other knee cases, (5) primary knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Figure 179: Cumulative percent revision for primary TKA.

Description of figure	Cumulative percent revision for primary TKA.
Inclusion criteria	All primary TKA cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Table 709: Cumulative percent revision for primary TKA (numerical values).

Description of figure	Cumulative percent revision for primary TKA.
Inclusion criteria	All primary TKA cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Figure 180: Cumulative percent revision for primary TKA by diagnosis.

Description of figure	Cumulative percent revision for primary TKA by diagnosis.
Inclusion criteria	All primary TKA cases, with data on first revision event and time-to-first-revision as data fields.
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Table 710: Cumulative percent revision for primary TKA by diagnosis (numerical values).

Description of figure	Cumulative percent revision for primary TKA by diagnosis.
Inclusion criteria	All primary TKA cases, with data on first revision event and time-to-first-revision as data fields.
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Figure 181: Cumulative percent revision for primary TKA by sex for OA diagnosis

Description of figure	Cumulative percent revision for primary TKA by sex for OA diagnosis.
Inclusion criteria	All primary TKA cases having a diagnosis of OA, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) diagnosis other than OA, (2) UKA cases, (3) PFJ cases, (4) other knee cases, and (4) THA cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Figure 711: Cumulative percent revision for primary TKA by sex for OA diagnosis numerical values.

Description of figure	Cumulative percent revision for primary TKA by sex for OA diagnosis.
Inclusion criteria	All primary TKA cases having a diagnosis of OA, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) diagnosis other than OA, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) THA cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Subsection 3.2.4. Revision risk for TKA implant combinations

Table 712: Summary of cumulative percent revision following primary TKA for femoral/tibial combinations having at least 500 primary cases, sorted alphabetically

Description of figure	Summary of CPR for femoral/tibial combinations having at least 500 primary cases.
Inclusion criteria	All primary TKA cases for implant combinations having at least 500 primary cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) not having at least 500 primary cases using each femoral/tibial component pair listed in the table. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Template for TKA implant-specific revision data (excluding iTotal, which will be presented separately later)

This section will contain subsections on each implant having 500 or more cases. Each section will follow the same format, which is described below.

This template describes Tables 713-742, 753-884 and Figures 182-191, 196-239.

Description of figure	Sentence stating number of surgeons and sites using this implant combination.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other
Time window	2/15/2012 to 12/31/18

Volume of primary cases by surgeon and site for the <Femur>/<Tibia> combination.

Description of figure	Table on mean and median number of cases per surgeon and site.
Inclusion criteria	All primary TKA cases
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other
Time window	2/15/2012 to 12/31/18

Descriptive statistics of primary cases receiving the <Femur>/<Tibia> combination.

Description of figure	Descriptive statistics for those patients using this femur/tibia combination.
Inclusion criteria	Primary TKA cases using this femur/tibia combination.
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using this femur/tibia combination, (3) UKA cases, (4) PFJ cases, (5) THA cases.
Time window	2/15/2012 to 12/31/18

Cumulative percent revision curve for <Femur>/<Tibia> combination compared to all other implant combinations in primary TKA cases.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for femur/tibia combination under specific consideration (pink), with pink 95% confidence interval shading. 2. CPR for all TKA's (blue) not using this femur/tibia combination, with light blue 95% confidence interval shading. <p>Note: this means we are doing a comparison to all other TKA cases and not including UKA or PFJ cases in this comparison group.</p>
Inclusion criteria	<p>Line 1. Inclusion criteria for this line: primary TKA cases done that use the femur/tibia combination being presented if there are at least 500 cases of this combination. For example, if we are analyzing the LCS PS/LCS combination than for a case to be included it would need to have an LCS PS femoral component <i>and</i> LCS tibial component and be a primary TKA.</p> <p>Line 2. Inclusion criteria for this line: primary TKA cases done that do not use the femur/tibia combination being presented.</p>
Exclusion criteria	<p>Line 1. Exclusion criteria for this line: (1) THA cases, (2) primary TKA cases not using this combination, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) less than 500 cases using this combination.</p> <p>Line 2. Exclusion criteria for this line: (1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) TKA revision cases, (6) any primary TKA case that does not use either the femur or tibial components under consideration.</p>
Time window	2/15/2012 to 12/31/18

Caption: Cumulative percent revision and number at risk for <Femur>/<Tibia> combination.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	TKA cases done that use the femur/tibia combination being presented if there are at least 500 cases of this combination. For example, if we are analyzing the LCS PS/LCS combination than for a case to be included it would need to have an LCS PS femoral component <i>and</i> LCS tibial compoent and be a primary TKA.
Exclusion criteria	Exclusion criteria: (1) THA cases, (2) primary TKA cases not using this combination, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) less than 500 cases using this combination.
Time window	2/15/2012 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratios\ for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Reasons for first revision for <Femur>/<Tibia> combination following primary procedure.

Description of figure	Reasons for first revision following primary TKA using this femur/tibia combination
Inclusion criteria	Primary TKA cases using this femur/tibia combination
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using this femur/tibia combination, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Caption: Distribution of approach used for <Femur>/<Tibia> combination in primary cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this femur/tibia combination.
Inclusion criteria	Primary TKA cases using this femur/tibia combination.
Exclusion criteria	(1) revision THA cases, (2) primary TKA cases not using this femur/tibia combination, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	2/15/2012 to 12/31/18

Caption: Distribution of polyethylene used for <Femur>/<Tibia> combination in primary cases.

Description of figure	Describes the percentage of different types of polyethylene used with this femur/tibia combination that uses a polyethylene insert. There are three kinds: UHMWPE, XLPE, and Antioxidant XLPE.
Inclusion criteria	Primary TKA cases using this femur/tibia combination and a polyethylene insert.
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using this femur/tibia combination, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases, (7) TKA without polyethylene insert.
Time window	2/15/2012 to 12/31/18

Caption: Utilization of <Femur>/<Tibia> combination in primary cases.

Description of figure	Utilization of this implant combination over time. There are two lines: (1) entire set of hospitals (blue line), and (2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.
Inclusion criteria	All primary TKA cases, using this implant combination. The inclusion criterion is slightly different for the two (red and blue) lines: 1) Blue line. Inclusion is all primary TKA cases using this implant combination between 2/15/2012 and 12/31/2018. 2) Red line. Inclusion is all primary TKA cases using this implant between 1/1/2014 and 12/31/2018.
Exclusion criteria	revision TKA cases, (2) primary TKA cases not using this implant combination, (3) THA cases, (4) UKA, PFJ, other knee cases
Time window	Blue line: 2/15/2012 to 12/31/18 Red line: 1/1/2014 to 12/31/18

The iTTotal system has a separate format for two reasons: (1) the CPR comparison group is all non-iTotal knees for both iTTotal (overall) and G2+ version of iTTotal, and (2) it was not possible to identify polyethylene type from catalog numbers using our data capturing system. The template for reporting the iTTotal (versions G1, G2, and G2+) combined is presented here. The format for the G2+ follows.

Description of figure	Sentence stating number of surgeons and sites using this implant.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G1, G2, and G2+ versions
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal system, (3) UKA cases, (4) PFJ cases, (5) other knee cases , (6) THA cases.
Time window	2/15/2012 to 12/31/18

Table 743: Volume of primary cases by surgeon and site for the iTTotal.

Description of figure	Table on mean and median number of cases per surgeon and site.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G1, G2, and G2+ versions
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal system, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	2/15/2012 to 12/31/18

Table 744: Descriptive statistics of cases receiving iTTotal.

Description of figure	Descriptive statistics for those patients using the iTTotal system.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G1, G2, and G2+ versions
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal system, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	2/15/2012 to 12/31/18

Figure 192: Cumulative percent revision curve for the iTTotal compared to all implants other than the iTTotal in primary TKA cases.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, for all iTTotal knees. It presents two lines:</p> <ol style="list-style-type: none"> 3. CPR for iTTotal cases under specific consideration (pink), with pink 95% confidence interval shading. 4. CPR for all TKA's (blue) not using an iTTotal knee, with light blue 95% confidence interval shading. <p>Note 1: this means we are doing a comparison to all other TKA cases and not including UKA or PFJ cases in this comparison group.</p> <p>Note 2: this figure groups the G1, G2, and G2+ versions together.</p>
Inclusion criteria	<p>Line 1. Inclusion criteria for this line: primary TKA cases done that using the iTTotal system (G1, G2, and G2+ all included).</p> <p>Line 2. Inclusion criteria for this line: primary TKA cases done that do not use the iTTotal system.</p>
Exclusion criteria	<p>Line 1. Exclusion criteria for this line: (1) THA cases, (2) primary TKA cases not using the iTTotal, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) less than 500 cases using this combination.</p> <p>Line 2. Exclusion criteria for this line: (1) THA cases, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (4) TKA revision cases, (5) any primary TKA case that uses the iTTotal system.</p>
Time window	2/15/2012 to 12/31/18

Table 745: Cumulative percent revision and number at risk for iTTotal in primary cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for the iTTotal, and the number at risk each year. It presents numerical values.
Inclusion criteria	TKA cases done that use the iTTotal, including G1, G2, and G2+ versions
Exclusion criteria	Exclusion criteria: (1) THA cases, (2) primary TKA cases not using an iTTotal, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) less than 500 cases using this combination.
Time window	2/15/2012 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Table 746: Reasons for revision for iTTotal following primary procedure.

Description of figure	Reasons for first revision following primary TKA using the iTTotal system
Inclusion criteria	Primary TKA cases using the iTTotal, including G1, G2, and G2+ versions
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Table 747: Distribution of approach used for iTTotal in primary cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this femur/tibia combination.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G1, G2, and G2+ versions
Exclusion criteria	(1) revision THA cases, (2) primary TKA cases not using the iTTotal, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	2/15/2012 to 12/31/18

Figure 193. Utilization of iTTotal in primary cases.

Description of figure	Utilization of the iTTotal (including G1, G2, and G2+ versions) over time. There are two lines: (1) entire set of hospitals (blue line), and (2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.
Inclusion criteria	All primary TKA cases, using the iTTotal. The inclusion criterion is slightly different for the two (red and blue) lines: 3) Blue line. Inclusion is all primary TKA cases using the iTTotal between 2/15/2012 and 12/31/2018. 4) Red line. Inclusion is all primary TKA cases using the iTTotal between 1/1/2014 and 12/31/2018.
Exclusion criteria	revision TKA cases, (2) primary TKA cases not using the iTTotal, (3) THA cases, (4) UKA, PFJ, and other knee cases
Time window	Blue line: 2/15/2012 to 12/31/18 Red line: 1/1/2014 to 12/31/18

Format for the G2+ version of the iTTotal.

Description of figure	Sentence stating number of surgeons and sites using the G2+.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G2+ version only
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal version G2+, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	9/2013 to 12/31/18

Table 748: Volume of primary cases by surgeon and site for the iTTotal G2+.

Description of figure	Table on mean and median number of cases per surgeon and site.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G2+ version only
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal version G2+, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	9/2013 to 12/31/18

Table 749: Descriptive statistics on cases using iTTotal G2+.

Description of figure	Descriptive statistics for those patients using the iTTotal version G2+.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G2+ version only
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal version G2+, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	9/2013 to 12/31/18

Figure 194: Cumulative percent revision curve for iTTotal G2+ compared to all implants other than the iTTotal in primary TKA cases.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, for iTTotal version G2+ knees. It presents two lines:</p> <ul style="list-style-type: none"> 5. CPR for iTTotal (version G2+ only) cases under specific consideration (pink), with pink 95% confidence interval shading. 6. CPR for all TKA's (blue) not using an iTTotal knee, with light blue 95% confidence interval shading. <p>Note 1: this means we are doing a comparison to all other TKA cases and not including UKA or PFJ cases in this comparison group.</p> <p>Note 2: this figure only includes G2+ version of iTTotal. But the G1 and G2 versions are not lumped into the "other" curve.</p>
Inclusion criteria	<p>Line 1. Inclusion criteria for this line: primary TKA cases done that use the iTTotal system (G2+ only included).</p> <p>Line 2. Inclusion criteria for this line: primary TKA cases done that do not use the iTTotal system. Note that G1 and G2 versions of iTTotal are not include in line 2.</p>
Exclusion criteria	<p>Line 1. Exclusion criteria for this line: (1) THA cases, (2) primary TKA cases not using the iTTotal version G2+, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) less than 500 cases using this combination.</p> <p>Line 2. Exclusion criteria for this line: (1) THA cases, (2) UKA cases, (3) PFJ cases, (3) TKA revision cases, (4) any primary TKA case that uses the iTTotal system (G1, G2 or G2+ versions)</p>
Time window	9/2013 to 12/31/18

Table 750: Cumulative percent revision and number at risk for iTTotal G2+ in primary cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	TKA cases done that use the iTTotal, including G2+ version only
Exclusion criteria	Exclusion criteria: (1) THA cases, (2) primary TKA cases not using an iTTotal version G2+, (2) UKA cases, (3) PFJ cases, (4) other knee cases, (5) less than 500 cases using this combination.
Time window	9/2013 to 12/31/18

After this table, a block of text is inserted on adjusted results.

This will be the results of a random effects Cox proportional hazards model of time-to-revision adjusting for sex and age. The text is:

“Adjusting for sex and age, the hazard ratio for this implant combination compared to all other implant combinations was X.XX (A.AA-B.BB, 95% CI). It was Y.YY (C.CC-D.DD, 95% CI) and Z.ZZ (E.EE-F.FF, 95% CI) for sex and age, respectively.”

If the proportional-hazards assumption is not met, the text is: “The proportional-hazards assumption of the Cox model is not satisfied, so hazard ratios are not reported.

Table 751: Reasons for revision for iTTotal G2+ following primary procedure.

Description of figure	Reasons for first revision following primary TKA using the iTTotal version G2+
Inclusion criteria	Primary TKA cases using the iTTotal, including G2+ version only
Exclusion criteria	(1) all revision knee cases, (2) primary TKA cases not using the iTTotal version G2+, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases
Time window	9/2013 to 12/31/18 for primary and 9/2013 to 12/31/18 for 1 st revision.

Table 752: Distribution of approach used for iTTotal G2+ in primary cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using the iTTotal version G2+.
Inclusion criteria	Primary TKA cases using the iTTotal system, including G2+ version only
Exclusion criteria	(1) revision THA cases, (2) primary TKA cases not using the iTTotal version G2+, (3) UKA cases, (4) PFJ cases, (5) other knee cases, (6) THA cases.
Time window	9/2013 to 12/31/18

Caption: Utilization of iTTotal G2+ in primary cases.

Description of figure	Utilization of the iTTotal (including G2+ version only) over time. There are two lines: (1) entire set of hospitals (blue line), and (2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.
Inclusion criteria	All primary TKA cases, using the iTTotal version G2+. The inclusion criterion is slightly different for the two (red and blue) lines: 5) Blue line. Inclusion is all primary TKA cases using the iTTotal version G2+ between 2/15/2012 and 12/31/2018. 6) Red line. Inclusion is all primary TKA cases using the iTTotal version G2+ between 1/1/2014 and 12/31/2018.
Exclusion criteria	revision TKA cases, (2) primary TKA cases not using the iTTotal version G2+, (3) THA cases, (4) UKA, PFJ and other knee cases
Time window	Blue line: 2/15/2012 to 12/31/18 Red line: 1/1/2014 to 12/31/18

Section 3.3. UKA cases

Subsection 3.3.1. UKA descriptive statistics

Figure 240: Primary UKA cases over time

Description of figure	UKA primary and revision cases over time. There should be one line on this plot: number of primary UKA cases over time.
Inclusion criteria	All UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3), PJF cases, (4) other knee cases, (5) all revision knee cases
Time window	2/15/2012 to 12/31/18

Table 885: Descriptive statistics of UKA cases.

Description of figure	Descriptive statistics for those patients having primary UKA.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) primary TKA cases, (3) PFJ cases, (4) other knee cases, and (2) revision knee arthroplasty cases (TKA, PFJ, and UKA).
Time window	2/15/2012 to 12/31/18

Figure 241: Percent of primary TKA cases by sex.

Description of figure	Pie chart of breakdown of primary UKA cases by sex.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) All THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (4) revision UKA cases, (5) PFJ cases
Time window	2/15/2012 to 12/31/18

Figure 242: Age distribution of primary UKA cases by sex.

Description of figure	Histogram showing percentage breakdown of UKA cases by sex over age. X-axis is age. Plot three lines: male, female, and unknown. Unknown may be so small we should exclude it (approx. 0.06% overall). Denominator for each line is the number of that sex. For example, the point at 20 years of age for males would be the number of males aged 20 divided by the total number of males.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) All THA cases, (2) revision UKA cases, (3) TKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Figure 243: Percent of primary UKA cases by approach.

Description of figure	Percent of primary UKA cases using approach.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (5) other knee cases, (6) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Figure 244: Percent of primary UKA cases by diagnosis

Description of figure	Percent of primary UKA cases by diagnosis.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Figure 245: Percent of primary UKA cases by ASA class

Description of figure	Percent of primary UKA cases by ASA class.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Figure 246: Percent of primary UKA patients (first case) by thrombosis pharmacoprophylaxis.

Description of figure	Percent of primary UKA patients (first case) by thrombosis pharmacoprophylaxis over time
Inclusion criteria	All primary UKA cases being the first primary UKA case for each patient over time
Exclusion criteria	(1) THA cases, (2) revision knees cases, (3) TKA cases, (4) PFJ cases, (5) other knee cases, (6) primary UKA cases that are not the first primary UKA for the patient
Time window	2/15/12 to 12/31/18

Table 886: Ten most commonly used femoral components in primary UKA

Description of figure	Ten most commonly used femoral components in primary UKA replacement.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) UKA cases, (4) PFJ cases, (5) other knee cases, (6) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Table 887: Ten most commonly used tibial components in primary UKA

Description of figure	Ten most commonly used femoral components in primary TKA replacement.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Table 888: Ten most commonly used femoral/tibial component combinations in primary UKA

Description of figure	Ten most commonly used femoral components in primary TKA replacement.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) all revision knee cases.
Time window	2/15/2012 to 12/31/18

Figure 247: Percentage of polyethylene inserts by type of polyethylene in primary UKA.

Description of figure	Percentage of polyethylene inserts by type of polyethylene in primary UKA.
Inclusion criteria	All primary UKA cases
Exclusion criteria	(1) THA cases, (2) revision UKA cases, (3) TKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

3.3.3 UKA revision risk summary

Table 889: Reasons for first revision following primary UKA.

Description of figure	Reasons for first revision following primary UKA
Inclusion criteria	All first revision cases following primary UKA
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) TKA cases, (4) other knee cases, (5) primary knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 890: Most common reasons for first revision following UKA in first year post-operatively.

Description of figure	Reasons for first revision following primary UKA for revisions occurring within 365 days of the primary procedure
Inclusion criteria	All first revision cases following primary UKA performed within 365 days of the primary procedure
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) TKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions past 365 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 891: Reasons for first revision following UKA in second year post-operatively.

Description of figure	Reasons for first revision following primary UKA for revisions occurring between 366 and 730 days of the primary procedure
Inclusion criteria	All first revision cases following primary UKA performed between 365.5 days and within 731 (≤ 731) days of the primary procedure
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) TKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions performed between 0 and 365 days or after 730 days (>731 days)
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 892: Reasons for first revision following UKA in third year post-operatively

Description of figure	Reasons for first revision following primary UKA for revisions occurring within 731 days of the primary procedure
Inclusion criteria	All first revision cases following primary UKA performed between 731 days (>731) and within 1095 days (≤ 1095) of the primary procedure.
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) TKA cases, (4) other knee cases, (5) primary knee cases, (6) revisions occurring ≤ 730 days or >1095 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Figure 248: Most common reasons for first revision following primary UKA (Pareto chart)

Description of figure	Reasons for first revision following primary UKA
Inclusion criteria	All first revision cases following primary UKA
Exclusion criteria	(1) THA cases, (2) PFJ cases, (3) TKA cases, (4) other knee cases, (5) primary knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Figure 249: Cumulative percent revision for primary UKA

Description of figure	Cumulative percent revision for primary UKA.
Inclusion criteria	All primary UKA cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) all revision knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Table 893: Cumulative percent revision for primary UKA (numerical values).

Description of figure	Cumulative percent revision for primary UKA.
Inclusion criteria	All primary UKA cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) all revision knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Figure 250: Cumulative percent revision for primary UKA by sex for osteoarthritis diagnosis.

Description of figure	Cumulative percent revision for primary UKA by sex for OA diagnosis.
Inclusion criteria	All primary TKA cases having a diagnosis of OA in the data window, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) diagnosis other than OA, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) THA cases, (6) all revision knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

Table 894: Cumulative percent revision for primary UKA by sex for osteoarthritis diagnosis (numerical values)

Description of figure	Cumulative percent revision for primary UKA by sex for OA diagnosis.
Inclusion criteria	All primary TKA cases having a diagnosis of OA in the data window, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) diagnosis other than OA, (2) TKA cases, (3) PFJ cases, (4) THA cases, (5) other knee cases, (6) all revision knee cases. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

3.3.4 Revision risk for UKA implant combinations

Table 895: Summary of cumulative percent revision for femoral/tibial combinations following primary UKA having at least 500 cases, sorted alphabetically.

Description of figure	Summary of CPR for femoral/tibial combinations having at least 500 primary cases.
Inclusion criteria	All primary UKA cases for implant combinations having at least 500 primary cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) PFJ cases, (4) other knee cases, (5) not having at least 500 primary cases using each femoral/tibial component pair listed in the table. Note: Revision cases don't have separate record in the wide format; the first revision data (event and time from primary) are included as data elements.
Time window	2/15/2012 to 12/31/18

This section will contain subsections on each implant having 500 or more cases. Each section will follow the same format, which is described below.

This template describes Tables 896-913 and Figures 251- 256.

Description of figure	Sentence stating number of surgeons and sites using this implant combination.
Inclusion criteria	All primary TKA cases using this femur/tibia combination
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) UKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Volume of primary cases by surgeon and site for the <Femur>/<Tibia> combination.

Description of figure	Table on mean and median number of cases per surgeon and site.
Inclusion criteria	All primary UKA cases using this femur/tibia combination
Exclusion criteria	(1) THA cases, (2) revision knee cases, (3) TKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Descriptive statistics of primary cases receiving <Femur>/<Tibia> combination.

Description of figure	Descriptive statistics for those patients having this femur/tibia combination.
Inclusion criteria	Primary UKA cases using this femur/tibia combination.
Exclusion criteria	(1) revision UKA cases, (2) primary UKA cases not using this femur/tibia combination, (3) TKA cases, (4) PFJ cases, (5) THA cases, (6) other knee cases
Time window	2/15/2012 to 12/31/18

Cumulative percent revision curve for <Femur>/<Tibia> combination compared to all other implants combinations in primary UKA cases.

Description of figure	<p>This figure presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant. It presents two lines:</p> <ol style="list-style-type: none"> 1. CPR for femur/tibia combination under specific consideration (pink), with pink 95% confidence interval shading. 2. CPR for all TKA's (blue) not using this femur/tibia combination, with light blue 95% confidence interval shading. <p>Note: this means we are doing a comparison to all other UKA cases and not including TKA or PFJ cases in this comparison group.</p>
Inclusion criteria	<p>Line 1. Inclusion criteria for this line: primary UKA cases done that use the femur/tibia combination being presented. For example, if we are analyzing the Oxford 3/Oxford combination than for a case to be included it would need to have an Oxford 3 femoral component <i>and</i> Oxford tibial component and be a primary TKA.</p> <p>Line 2. Inclusion criteria for this line: primary UKA cases done that do not use the femur/tibia combination being presented.</p>
Exclusion criteria	<p>Line 1. Exclusion criteria for this line: (1) THA cases, (2) primary UKA cases not using this combination, (2) TKA cases, (3) PFJ cases, (4) other knee cases.</p> <p>Line 2. Exclusion criteria for this line: (1) THA cases, (2) TKA cases, (3) PFJ cases, (4) UKA revision cases, (5) other knee cases, (6) any primary UKA case that does not use either the femur or tibial components under consideration.</p>
Time window	2/15/2012 to 12/31/18

Cumulative percent revision and number at risk for <Femur>/<Tibia> combination in primary cases.

Description of figure	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Inclusion criteria	All primary UKA cases using this femur/tibia combination. Note first revision data (event and time-to-revision) are included as data elements.
Exclusion criteria	(1) THA cases, (2) UKA cases not using this femur/tibia combination, (3) TKA cases, (4) PFJ cases, (5) other knee cases
Time window	2/15/2012 to 12/31/18

Reasons for revision for <Femur>/<Tibia> combination following primary procedure.

Description of figure	Reasons for first revision following primary UKA using this femur/tibia combination
Inclusion criteria	Primary UKA cases using this femur/tibia combination
Exclusion criteria	(1) all revision knee cases, (2) primary UKA cases not using this femur/tibia combination, (3) TKA cases, (4) PFJ cases, (5) THA cases, (6) other knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/14 to 12/31/18 for 1 st revision.

Distribution of approach used for <Femur>/<Tibia> combination in primary cases.

Description of figure	This table gives the percentage breakdown of approaches used for cases using this femur/tibia combination.
Inclusion criteria	Primary UKA cases using this femur/tibia combination.
Exclusion criteria	(1) revision UKA cases, (2) primary UKA cases not using this femur/tibia combination, (3) TKA cases, (4) PFJ cases, (5) THA cases, (6) other knee cases
Time window	2/15/2012 to 12/31/18

Distribution of polyethylene used for <Femur>/<Tibia> combination in primary cases.

Description of figure	Describes the percentage of different types of polyethylene used with this femur/tibia combination that uses a polyethylene insert. There are three kinds: UHMWPE, XLPE, and Antioxidant XLPE.
Inclusion criteria	Primary UKA cases using this femur/tibia combination and a polyethylene liner.
Exclusion criteria	(1) revision UKA cases, (2) primary UKA cases not using this femur/tibia combination, (3) TKA cases, (4) PFJ cases, (5) THA cases, and (6) cases without polyethylene insert.
Time window	2/15/2012 to 12/31/18

Utilization of <Femur>/<Tibia> combination in primary cases.

Description of figure	Utilization of this implant combination over time. There are two lines: (1) entire set of hospitals (blue line), and (2) a “stable cohort of hospitals” from 2014 through 2018 (red line). This cohort is the set of hospitals that joined MARCQI in 2012, 2013, or 2014 and remained in MARCQI through 2018.
Inclusion criteria	All primary UKA cases, using this implant combination. The inclusion criterion is slightly different for the two (red and blue) lines: 1) Blue line. Inclusion is all primary UKA cases using this implant combination between 2/15/2012 and 12/31/2018. 2) Red line. Inclusion is all primary UKA cases using this implant between 1/1/2014 and 12/31/2018.
Exclusion criteria	revision UKA cases, (2) primary UKA cases not using this implant combination, (3) THA cases, (4) TKA, PFJ and other knee cases
Time window	Blue line: 2/15/2012 to 12/31/18 Red line: 1/1/2014 to 12/31/18

Section 3.4. PFJ cases

Subsection 3.4.1 PFJ descriptive statistics

Figure 259: Primary PFJ cases over time

Description of figure	PFJ primary and revision cases over time. There should be one line on this plot: number of primary PFJ cases over time.
Inclusion criteria	All PFJ cases
Exclusion criteria	(1) THA cases, (2) TKA cases, (3), UKA cases, (4) other knee cases
Time window	2/15/2012 to 12/31/18

Table 920: Descriptive statistics of primary PFJ patients.

Description of figure	Descriptive statistics for those patients having primary PFJ.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases
Time window	2/15/2012 to 12/31/18

Figure 260: Age distribution of primary PFJ cases by sex.

Description of figure	Histogram showing percentage breakdown of PFJ cases by sex over age. X-axis is age. Plot three lines: male, female, and unknown. Unknown may be so small we should exclude it (approx. 0.06% overall). Denominator for each line is the number of that sex. For example, the point at 20 years of age for males would be the number of males aged 20 divided by the total number of males.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases
Time window	2/15/2012 to 12/31/18

Figure 262: Percent of primary PFJ cases by approach.

Description of figure	Percent of primary PFJ cases using approach.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases
Time window	2/15/2012 to 12/31/18

Figure 263: Percent of primary PFJ cases by diagnosis.

Description of figure	Percent of primary PFJ cases by diagnosis.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases
Time window	2/15/2012 to 12/31/18

Figure 264: Percent of primary PFJ cases by ASA class.

Description of figure	Percent of primary PFJ cases by ASA class.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases
Time window	2/15/2012 to 12/31/18

Figure 265: Percent of primary PFJ patients (first case) by thrombosis pharmacoprophylaxis.

Description of figure	Percent of primary PFJ patients (first case) by thrombosis pharmacoprophylaxis over time
Inclusion criteria	All primary PFJ cases being the first primary PFJ case for each patient over time
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases, (6) primary PFJ cases that are not the first primary PFJ for the patient
Time window	2/15/12 to 12/31/18

Subsection 3.4.2 Most commonly used PFJ implants

Table 921: Ten most commonly used resurfacing trochlear components in primary PFJ.

Description of figure	Ten most commonly used resurfacing trochlear components in primary PFJ replacement.
Inclusion criteria	All primary PFJ cases
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases.
Time window	2/15/2012 to 12/31/18

Subsection 3.4.3 PFJ revision risk summary

Table 922: Reasons for first revision following primary PFJ.

Description of figure	Reasons for first revision following primary PFJ
Inclusion criteria	All first revision cases following primary PFJ
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) UKA cases, (4) other knee cases, (5) primary PFJ knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 923: Reasons for first revision following PFJ in first year post-operatively.

Description of figure	Reasons for first revision following primary PFJ for revisions occurring within 365 days of the primary procedure
Inclusion criteria	All first revision cases following primary PFJ performed within 365 days of the primary procedure
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) UKA cases, (4) other knee cases, (5) primary PFJ knee cases, (6) revisions past 365 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 924: Reasons for first revision following PFJ in second year post-operatively.

Description of figure	Reasons for first revision following primary PFJ for revisions occurring between 366 and 730 days of the primary procedure
Inclusion criteria	All first revision cases following primary PFJ performed between 366 days and within 731 (≤ 731) days of the primary procedure
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) UKA cases, (4) other knee cases, (5) primary PFJ knee cases, (6) revisions performed between 0 and 365 days or after 730 days (>731 days)
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Table 925: Reasons for first revision following PFJ in third year post-operatively.

Description of figure	Reasons for first revision following primary PFJ for revisions occurring within 731 days of the primary procedure
Inclusion criteria	All first revision cases following primary PFJ performed between 731 days (>731) and within 1095 days (≤ 1095) of the primary procedure.
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) UKA cases, (4) other knee cases, (5) primary PFJ knee cases, (6) revisions occurring ≤ 730 days or >1095 days
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Figure 266: Most common reasons for first revision following primary PFJ (Pareto chart)

Description of figure	Reasons for first revision following primary PFJ
Inclusion criteria	All first revision cases following primary PFJ
Exclusion criteria	(1) THA cases, (2) TKA cases, (3) UKA cases, (4) other knee cases, (5) primary PFJ knee cases
Time window	2/15/2012 to 12/31/18 for primary and 1/1/15 to 12/31/18 for 1 st revision.

Figure 267: Cumulative percent revision for primary PFJ.

Description of figure	Cumulative percent revision for primary PFJ
Inclusion criteria	All primary PFJ cases, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases.
Time window	2/15/2012 to 12/31/18

Table 926: Cumulative percent revision and number at risk for primary PFJ (numerical values).

Description of figure	Cumulative percent revision for primary PFJ
Inclusion criteria	This table presents the cumulative percent revision (CPR), which is 100 minus the Kaplan-Meier estimate of survival curve for time-to-revision data for this implant, and the number at risk each year. It presents numerical values.
Exclusion criteria	THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases.
Time window	2/15/2012 to 12/31/18

Figure 268: Cumulative percent revision for primary PFJ by sex for osteoarthritis diagnosis

Description of figure	Cumulative percent revision for primary PFJ by sex for OA diagnosis.
Inclusion criteria	All primary PFJ cases having a diagnosis of OA in the data window, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases, (6) diagnosis other than OA.
Time window	2/15/2012 to 12/31/18

Table 927: Cumulative percent revision for primary PFJ by sex for osteoarthritis diagnosis (numerical values).

Description of figure	Cumulative percent revision for primary PFJ by sex for OA diagnosis.
Inclusion criteria	All primary PFJ cases having a diagnosis of OA in the data window, with notation of whether a first revision occurred and the time-to-first-revision data.
Exclusion criteria	(1) THA cases, (2) revision knee (TKA, UKA, PFJ) cases, (3) other knee cases, (4) primary UKA cases, (5) primary TKA cases (6) diagnosis other than OA
Time window	2/15/2012 to 12/31/18

CATALOG NUMBERS OF IMPLANTS IN MARCQI DATABASE FOR KNEE CASES

Catalog numbers used in the analysis of the Attune/Attune combination.

150400107 - 150600007	150410108 - 150600008	150400205 - 150670005
150400207 - 150600007	150410125 - 150600004	150400206 - 150670006
150400205 - 150600005	150410205 - 150600005	150400208 - 150600009
150400208 - 150600008	150400107 - 150600008	150400208 - 150670008
150400105 - 150600005	150410208 - 150600008	150410125 - 150610004
150400106 - 150600006	150410208 - 150610008	150400205 - 150600006
150400108 - 150600008	150410108 - 150600007	150410108 - 150610007
150400226 - 150600005	150410225 - 150600004	150400104 - 150600003
150400125 - 150600004	150400208 - 150600007	150400204 - 150600003
150400126 - 150600005	150410107 - 150600007	150400224 - 150600004
150400206 - 150600006	150410226 - 150610005	150410105 - 150600004
150400225 - 150600004	150410106 - 150600005	150410205 - 150610004
150400204 - 150600004	150410126 - 150600004	150400105 - 150670005
150400104 - 150600004	150410207 - 150600007	150410107 - 150600005
150410105 - 150610005	150400106 - 150600007	150410126 - 150610005
150410205 - 150610005	150410206 - 150600005	150410208 - 150610007
150410206 - 150610006	150400107 - 150670007	150410226 - 150610004
150400207 - 150600006	150410106 - 150600006	150400209 - 150600008
150410207 - 150610007	150410108 - 150610008	150400226 - 150600004
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150400125 - 150670003	150410102 - 150680007	150410126 - 150640006
150400125 - 150670006	150410104 - 150670005	150410202 - 150640003
150400126 - 150600007	150410104 - 150680005	150410203 - 150600002
150400126 - 150610007	150410105 - 150600007	150410203 - 150600004
150400126 - 150640005	150410105 - 150610007	150410203 - 150680002
150400126 - 150640006	150410105 - 150640005	150410203 - 150680003
150400126 - 150670004	150410105 - 150670003	150410204 - 150680005
150400126 - 150670007	150410105 - 150670006	150410205 - 150600003
150400202 - 150600001	150410105 - 150680004	150410205 - 150600007
150400202 - 150670001	150410106 - 150610004	150410205 - 150610003
150400202 - 150670003	150410106 - 150640006	150410205 - 150610007
150400203 - 150670004	150410106 - 150660006	150410205 - 150640004
150400203 - 150670007	150410106 - 150680007	150410205 - 150640005
150400203 - 150680004	150410107 - 150600009	150410205 - 150670003

150410205 - 150680003	150410208 - 150660008	150410225 - 150680005
150410206 - 150610004	150410208 - 150680006	150410226 - 150670007
150410206 - 150610008	150410209 - 150600101	150440107 - 150660005
150410206 - 150670008	150410209 - 150640008	150440108 - 150660007
150410206 - 150680007	150410210 - 150610010	150440205 - 150660003
150410207 - 150600009	150410223 - 150670003	150440205 - 150660005
150410207 - 150640007	150410224 - 150610005	150440207 - 150660004
150410207 - 150670004	150410224 - 150680002	150440207 - 150660006
150410207 - 150680005	150410225 - 150610002	
150410208 - 150600010	150410225 - 150640005	
150410208 - 150640006	150410225 - 150680004	

Catalog numbers used in the analysis of the Attune/Attune femoral component.

150400207	150400225	150410203
150400107	150410105	150400110
150410207	150410225	150400210
150410107	150410125	150410110
150400106	150400204	150410223
150400205	150400104	150400123
150400206	150410104	150410123
150410206	150400209	150400202
150400105	150410209	150400223
150400108	150400224	150400102
150400208	150410109	150410102
150400226	150410204	150440205
150410226	150400109	150440207
150410208	150400124	150440208
150410108	150410224	150410202
150410106	150410124	150440107
150400125	150400203	150440108
150400126	150400103	
150410205	150410210	
150410126	150410103	

Catalog numbers used in the analysis of the Attune/Attune tibia component.

150600005	150610005	150610007
150600004	150600003	150600009
150600006	150610004	150670006
150600007	150610006	150670007
150600008	150670005	150670004

150610008	150600002	150660006
150670008	150670010	150660007
150610003	150610002	150680002
150670003	150680007	150600001
150600010	150640006	150640003
150670009	150640004	150660005
150680005	150680008	150670001
150610009	150640008	150600101
150680006	150610010	150660003
150680004	150670002	150660004
150680003	150680009	150660008
150640005	150640007	

Catalog numbers used in the analysis of the Evolution MP/Evolution MP combination.

EFSRN5PR - ETPKN5SR	EFSRP7PL - ETPLB7SL	EFSRP4PR - ETPLB5SR
EFSRN4PR - ETPKN4SR	EFSRN4PL - ETPKN3SL	EFSRP6PL - ETPK1578
EFSRN4PL - ETPKN4SL	EFSRN4PR - ETPKN3SR	EFPSN4PL - ETPKN4SL
EFSRN5PL - ETPKN5SL	EFSRN7PL - ETPKN6SL	EFPSN4PL - ETPKN5SL
EFSRN6PR - ETPKN6SR	EFSRP6PL - ETPLB6PL	EFSRN8PL - ETPKN8PL
EFSRN6PL - ETPKN6SL	EFSRP6PR - ETPLB6PR	EFSRP3PL - ETPLB4SL
EFSRN7PR - ETPKN7SR	EFSRP6PR - ETPLB6SR	EFSRP3PR - ETPK1534
EFSRN7PL - ETPKN7SL	EFSRN7PL - ETPKN8SL	EFSRP6PR - ETPLB5SR
EFSRN3PL - ETPKN3SL	EFSRP4PL - ETPLB5SL	EFSRP7PL - ETPK1578
EFSRN6PR - ETPKN6PR	EFSRN8PL - ETPKN8SL	EFSRP8PL - ETPLB8SL
EFSRN4PR - ETPKN5SR	EFSRN8PR - ETPKN8SR	EFPSN4PR - ETPKN4SR
EFSRN3PR - ETPKN3SR	EFSRP7PR - ETPK1578	EFPSN4PR - ETPKN5SR
EFSRN5PR - ETPKN4SR	EFSRN8PL - ETPKN7SL	EFPSN5PL - ETPKN4SL
EFSRN5PL - ETPKN4SL	EFSRP4PL - ETPK1534	EFPSN5PR - ETPKN5SR
EFSRN6PL - ETPKN6PL	EFSRP5PR - ETPK1556	EFSRP3PL - ETPK1534
EFSRN5PL - ETPKN6SL	EFSRP5PL - ETPLB6SL	EFSRP4PL - ETPK1556
EFSRN3PL - ETPKN4SL	EFSRP6PL - ETPK1556	EFSRP5PL - ETPLB4SL
EFSRN4PL - ETPKN5SL	EFSRP5PR - ETPLB6SR	EFSRP5PR - ETPLB4SR
EFSRN6PL - ETPKN5SL	EFSRP6PL - ETPLB6SL	EFSRP7PL - ETPLB6SL
EFSRN3PR - ETPKN4SR	EFSRP6PR - ETPK1556	EFSRP7PR - ETPLB8SR
EFSRP5PR - ETPLB5SR	EFPSN5PL - ETPKN5SL	EFPSN6PL - ETPKN5SL
EFSRN5PR - ETPKN6SR	EFSRP4PL - ETPLB4SL	EFPSN6PR - ETPKN5SR
EFSRN6PR - ETPKN5SR	EFSRP4PR - ETPK1534	EFPSN7PR - ETPKN7SR
EFSRP5PL - ETPLB5SL	EFSRP6PL - ETPLB5SL	EFSRN2PL - ETPKN2SL
EFSRP7PR - ETPLB7SR	EFSRP7PL - ETPLB8SL	EFSRN8PR - ETPKN7SR
EFSRP4PR - ETPLB4SR	EFSRP8PR - ETPLB8SR	EFSRP3PR - ETPLB4SR
EFSRP5PL - ETPK1556	EFPSN7PL - ETPKN7SL	EFSRP5PL - ETPK1534
EFSRN7PR - ETPKN6SR	EFSRN2PL - ETPKN2PL	EFSRP5PR - ETPK1534
EFSRN7PR - ETPKN8SR	EFSRP3PR - ETPLB3SR	EFSRP7PR - ETPK1556

EFSRP7PR - ETPLB6SR	EFSRP8PR - ETPLB7SR	EFPSN8PR - ETPKN8SR
EFSRP8PL - ETPK1578	EFPSN2PR - ETPKN2PR	EFSRN4PL - ETRKN4SL
EFSRP8PR - ETPK1578	EFPSN3PR - ETPKN3SR	EFSRN4PR - ETRKN4SR
EFPSN5PL - ETPKN6SL	EFPSN3PR - ETPKN4SR	EFSRN6PL - ETRKN6SL
EFPSN6PL - ETPKN6PL	EFPSN5PR - ETPKN6SR	EFSRP2PL - ETPK1534
EFPSN6PL - ETPKN6SL	EFPSN6PR - ETPKN6PR	EFSRP3PL - ETPLB3SL
EFSRN2PR - ETPKN2PR	EFPSN6PR - ETPKN6SR	EFSRP4PR - ETPKN5SR
EFSRN2PR - ETPKN2SR	EFPSN7PL - ETPKN6SL	EFSRP4PR - ETPLB3SR
EFSRN8PR - ETPKN8PR	EFPSN7PL - ETPKN8SL	EFSRP5PR - ETPK1578
EFSRP4PR - ETPK1556	EFPSN7PR - ETPKN6SR	EFSRP6PR - ETPK1578
EFSRP5PL - ETPLB6PL	EFPSN8PL - ETPKN8SL	EFSRP8PL - ETPLB7SL
EFSRP7PL - ETPK1556	EFPSN8PR - ETPKN7SR	

Catalog numbers used in the analysis of the Evolution MP/Evolution MP femoral component.

EFSRN5PR	EFSRP7PR	EFPSN7PL
EFSRN5PL	EFSRP4PR	EFPSN6PL
EFSRN4PR	EFSRP7PL	EFPSN5PR
EFSRN4PL	EFSRP4PL	EFPSN6PR
EFSRN6PR	EFSRN8PL	EFPSN7PR
EFSRN6PL	EFSRN8PR	EFSRN2PR
EFSRN7PR	EFSRP3PR	EFPSN3PR
EFSRN3PL	EFPSN5PL	EFPSN8PR
EFSRN7PL	EFSRP8PR	EFPSN2PR
EFSRN3PR	EFPSN4PL	EFPSN8PL
EFSRP5PL	EFSRP3PL	EFSRP2PL
EFSRP5PR	EFSRN2PL	
EFSRP6PL	EFSRP8PL	
EFSRP6PR	EFPSN4PR	

Catalog numbers used in the analysis of the Evolution MP/Evolution MP tibia component.

ETPKN5SR	ETPK1556	ETPLB6SR
ETPKN4SL	ETPKN6PR	ETPLB6SL
ETPKN4SR	ETPKN6PL	ETPLB7SR
ETPKN5SL	ETPLB5SL	ETPLB7SL
ETPKN6SL	ETPLB5SR	ETPLB4SL
ETPKN6SR	ETPK1534	ETPLB6PL
ETPKN7SR	ETPK1578	ETPLB6PR
ETPKN7SL	ETPKN8SR	ETPLB8SL
ETPKN3SL	ETPKN8SL	ETPLB8SR
ETPKN3SR	ETPLB4SR	ETPLB3SR

ETPKN2PL
ETPKN8PL
ETPKN2PR
ETPKN2SL

ETPKN2SR
ETPKN8PR
ETPLB3SL
ETRKN4SL

ETRKN4SR
ETRKN6SL

Catalog numbers used in the analysis of the Genesis II/Genesis II combination.

71421224 - 71420182	71423236 - 71420186	71423217 - 71420188
71421234 - 71420164	71421214 - 71420166	71420022 - 71420184
71421225 - 71420184	71423225 - 71420168	71420156 - 71420190
71421235 - 71420166	71420152 - 71420184	71421226 - 71420184
71421205 - 71420184	71423226 - 71420170	71420008 - 71420168
71421214 - 71420164	71423236 - 71420188	71423236 - 71420184
71421215 - 71420166	71421227 - 71420188	71420140 - 71420172
71423235 - 71420184	71423235 - 71420186	71420010 - 71420170
71421204 - 71420182	71423234 - 71420184	71420012 - 71420172
71421226 - 71420188	71423206 - 71420170	71420134 - 71420164
71421236 - 71420168	71423227 - 71420172	71420138 - 71420170
71421236 - 71420170	71420136 - 71420166	71421213 - 71420164
71421225 - 71420186	71423216 - 71420186	71421236 - 71420166
71421226 - 71420186	71421226 - 71420190	71420150 - 71420182
71423234 - 71420182	71423214 - 71420182	71421208 - 71420190
71421235 - 71420168	71423224 - 71420166	71421214 - 71420162
71421227 - 71420190	71421236 - 71420172	71421238 - 71420172
71423224 - 71420164	71421217 - 71420170	71420024 - 71420184
71423225 - 71420166	71421233 - 71420162	71420154 - 71420188
71421206 - 71420186	71423205 - 71420166	71421206 - 71420184
71421216 - 71420168	71423215 - 71420184	71423215 - 71420186
71421234 - 71420166	71420138 - 71420168	71420022 - 71420182
71421207 - 71420190	71423227 - 71420170	71420026 - 71420188
71421216 - 71420170	71423206 - 71420168	71421223 - 71420182
71421225 - 71420182	71423225 - 71420164	71423207 - 71420170
71421237 - 71420172	71421205 - 71420182	71423217 - 71420190
71421224 - 71420184	71421215 - 71420164	71423226 - 71420166
71423237 - 71420190	71421223 - 71420180	71420024 - 71420186
71421237 - 71420170	71423237 - 71420188	71421216 - 71420166
71421204 - 71420184	71423216 - 71420188	71421218 - 71420174
71421206 - 71420188	71423204 - 71420164	71421227 - 71420186
71421217 - 71420172	71420154 - 71420186	71420006 - 71420164
71423226 - 71420168	71421224 - 71420180	71421216 - 71420172
71421205 - 71420186	71421233 - 71420164	71421235 - 71420170
71421215 - 71420168	71420136 - 71420168	71420006 - 71420166
71421235 - 71420164	71421234 - 71420162	71420152 - 71420186
71421207 - 71420188	71423207 - 71420172	71421203 - 71420180

71421215 - 71420170	71423227 - 71420174	71423213 - 71420182
71421218 - 71420172	71420090 - 71420186	71423217 - 71420191
71423205 - 71420168	71420136 - 71420164	71420010 - 71420172
71423226 - 71420172	71420154 - 71420184	71420012 - 71420170
71421203 - 71420182	71420156 - 71420188	71420022 - 71420186
71421208 - 71420191	71423237 - 71420186	71420028 - 71420191
71423223 - 71420162	71420070 - 71420164	71420120 - 71420184
71423233 - 71420182	71420142 - 71420172	71420124 - 71420188
71423235 - 71420182	71420142 - 71420174	71421114 - 71420182
71420140 - 71420170	71420158 - 71420191	71421204 - 71420186
71421228 - 71420190	71421225 - 71420312	71421223 - 71420176
71421237 - 71420174	71423224 - 71420162	71421224 - 71420304
71423235 - 71420188	71423228 - 71420174	71421235 - 71420248
71420088 - 71420184	71423234 - 71420180	71423234 - 71420186
71421204 - 71420180	71420072 - 71420168	71420012 - 71420174
71421213 - 71420162	71420124 - 71420190	71420104 - 71420164
71421227 - 71420191	71421117 - 71420190	71420138 - 71420166
71423204 - 71420166	71421224 - 71420186	71420148 - 71420180
71420026 - 71420190	71421237 - 71420168	71420152 - 71420182
71420140 - 71420174	71423206 - 71420172	71420154 - 71420190
71421205 - 71420188	71423213 - 71420180	71421016 - 71420166
71421206 - 71420190	71423216 - 71420190	71421017 - 71420172
71421207 - 71420191	71423225 - 71420170	71421116 - 71420186
71423214 - 71420184	71423233 - 71420180	71421223 - 71420298
71420008 - 71420166	71420076 - 71420170	71423206 - 71420166
71423228 - 71420172	71420156 - 71420191	71423218 - 71420191
71423236 - 71420190	71421115 - 71420184	71420014 - 71420174
71420010 - 71420168	71421234 - 71420168	71420028 - 71420188
71420072 - 71420166	71423203 - 71420164	71420076 - 71420172
71420086 - 71420182	71423205 - 71420164	71420090 - 71420188
71421207 - 71420186	71423205 - 71420170	71420106 - 71420170
71421225 - 71420188	71423214 - 71420180	71420108 - 71420170
71423215 - 71420182	71423224 - 71420168	71420120 - 71420182
71423223 - 71420164	71423227 - 71420168	71420122 - 71420188
71423238 - 71420190	71423238 - 71420191	71420158 - 71420190
71420004 - 71420164	71420074 - 71420168	71421015 - 71420164
71420026 - 71420186	71420074 - 71420170	71421115 - 71420182
71420028 - 71420190	71420088 - 71420186	71421117 - 71420188
71420104 - 71420166	71420092 - 71420188	71421214 - 71420168
71420134 - 71420166	71420102 - 71420164	71421223 - 71420296
71421217 - 71420174	71420122 - 71420186	71421224 - 71420306
71421228 - 71420191	71421015 - 71420166	71421233 - 71420232
71421238 - 71420174	71421016 - 71420168	71423208 - 71420172
71423237 - 71420191	71421217 - 71420168	71423208 - 71420174
71420020 - 71420182	71421234 - 71420240	71423215 - 71420188
71420150 - 71420184	71423203 - 71420162	71423217 - 71420186

71423218 - 71420190	71420132 - 71420162	71420104 - 71420168
71423223 - 71420166	71420132 - 71420164	71420106 - 71420166
71423228 - 71420170	71420148 - 71420182	71420110 - 71420172
71420008 - 71420170	71421015 - 71420170	71420116 - 71420182
71420076 - 71420174	71421017 - 71420170	71420118 - 71420184
71420094 - 71420190	71421116 - 71420184	71420122 - 71420182
71420094 - 71420191	71421116 - 71420188	71420124 - 71420186
71420100 - 71420164	71421206 - 71420182	71420126 - 71420191
71420106 - 71420168	71421215 - 71420172	71420134 - 71420162
71420118 - 71420180	71421215 - 71420378	71420134 - 71420168
71420118 - 71420182	71421216 - 71420174	71420140 - 71420168
71420122 - 71420184	71421225 - 71420190	71420150 - 71420180
71420136 - 71420170	71421226 - 71420182	71420150 - 71420186
71420138 - 71420172	71421228 - 71420188	71420152 - 71420188
71420156 - 71420186	71421233 - 71420166	71420154 - 71420191
71421014 - 71420164	71421234 - 71420242	71421013 - 71420162
71421016 - 71420170	71421235 - 71420250	71421014 - 71420162
71421113 - 71420180	71421235 - 71420256	71421014 - 71420166
71421115 - 71420186	71421236 - 71420164	71421015 - 71420168
71421116 - 71420190	71421236 - 71420264	71421017 - 71420174
71421118 - 71420191	71421238 - 71420170	71421018 - 71420172
71421202 - 71420180	71423204 - 71420248	71421018 - 71420174
71421208 - 71420188	71423214 - 71420186	71421113 - 71420176
71421213 - 71420160	71423214 - 71420304	71421114 - 71420180
71421216 - 71420386	71423214 - 71420312	71421114 - 71420184
71421225 - 71420180	71423215 - 71420312	71421115 - 71420188
71421226 - 71420191	71423224 - 71420182	71421118 - 71420190
71421232 - 71420160	71423225 - 71420376	71421202 - 71420176
71421233 - 71420160	71423233 - 71420176	71421204 - 71420188
71421235 - 71420240	71423238 - 71420188	71421205 - 71420190
71423204 - 71420162	71930008 - 71420174	71421205 - 71420444
71423207 - 71420174	71420006 - 71420162	71421205 - 71420446
71423216 - 71420184	71420010 - 71420166	71421206 - 71420191
71423224 - 71420368	71420010 - 71423116	71421206 - 71420446
71420004 - 71420162	71420014 - 71420172	71421206 - 71420452
71420006 - 71420168	71420020 - 71420180	71421206 - 71420456
71420008 - 71420164	71420024 - 71420188	71421206 - 71420460
71420024 - 71420182	71420030 - 71420191	71421207 - 71420464
71420030 - 71420190	71420072 - 71420164	71421212 - 71420160
71420070 - 71420166	71420074 - 71420166	71421212 - 71420162
71420084 - 71420182	71420086 - 71420184	71421212 - 71420164
71420088 - 71420182	71420088 - 71420188	71421213 - 71420166
71420092 - 71420190	71420090 - 71420184	71421214 - 71420160
71420108 - 71420172	71420092 - 71420191	71421214 - 71420182
71420110 - 71420174	71420102 - 71420162	71421214 - 71420368
71420116 - 71420180	71420102 - 71420166	71421215 - 71420380

71421215 - 71420384	71421235 - 71420262	71423223 - 71420182
71421215 - 71420388	71421236 - 71420174	71423224 - 71420160
71421216 - 71420384	71421236 - 71420250	71423224 - 71420184
71421216 - 71420396	71421236 - 71420256	71423224 - 71420186
71421217 - 71420386	71421237 - 71420166	71423224 - 71420380
71421218 - 71420170	71421237 - 71420182	71423225 - 71420378
71421222 - 71420176	71421237 - 71420266	71423225 - 71420384
71421223 - 71420304	71421237 - 71420268	71423226 - 71420174
71421224 - 71420176	71423203 - 71420166	71423226 - 71420384
71421224 - 71420188	71423204 - 71420168	71423226 - 71420386
71421224 - 71420316	71423204 - 71420240	71423227 - 71420392
71421225 - 71420304	71423205 - 71420250	71423227 - 71420394
71421225 - 71420314	71423206 - 71420184	71423232 - 71420180
71421225 - 71420320	71423206 - 71420256	71423233 - 71420184
71421225 - 71420338	71423207 - 71420272	71423234 - 71420434
71421226 - 71420312	71423213 - 71420176	71423235 - 71420190
71421226 - 71420320	71423213 - 71420184	71423235 - 71420432
71421226 - 71420322	71423215 - 71420314	71423235 - 71420440
71421227 - 71420338	71423216 - 71420191	71423235 - 71420446
71421233 - 71420234	71423216 - 71420320	71423236 - 71420166
71421233 - 71420244	71423217 - 71420336	71423236 - 71420191
71421234 - 71420232	71423218 - 71420186	71423236 - 71420458
71421234 - 71420234	71423218 - 71420188	71930007 - 71420174
71421234 - 71420248	71423218 - 71420344	71930009 - 71420191
71421235 - 71420252	71423222 - 71420162	

Catalog numbers used in the analysis of the Genesis II/Genesis II femoral component.

71421225	71421207	71420154
71421224	71423226	71420138
71421235	71423234	71423214
71421234	71423236	71423217
71421226	71423224	71420140
71421236	71423237	71420022
71421205	71421217	71423207
71421215	71423227	71423204
71421214	71423206	71420026
71421216	71423216	71420156
71423235	71420136	71420024
71421206	71423215	71420008
71421204	71421233	71420010
71423225	71420152	71421208
71421227	71421223	71421213
71421237	71423205	71420006

71421218	71420076	71421014
71420134	71420086	71420132
71421238	71420122	71421113
71420150	71421016	71421118
71421203	71420158	71421202
71420012	71421015	71420030
71423223	71420020	71420100
71421228	71421117	71420110
71423233	71420070	71420116
71423228	71421116	71421212
71420088	71423218	71421232
71420072	71420092	71420084
71423238	71420120	71421018
71420028	71420102	71930008
71420142	71420106	71420126
71420104	71421017	71421013
71423213	71421114	71421222
71420090	71423208	71423222
71420124	71420118	71423232
71421115	71420148	71930007
71423203	71420094	71930009
71420004	71420108	
71420074	71420014	

Catalog numbers used in the analysis of the Genesis II/Genesis II tibia component.

71420184	71420304	71420338
71420166	71420248	71420376
71420182	71420232	71420380
71420164	71420298	71420244
71420186	71420386	71420252
71420168	71420250	71420262
71420170	71420256	71420266
71420188	71420296	71420268
71420190	71420306	71420272
71420172	71420368	71420316
71420162	71420384	71420322
71420180	71420320	71420336
71420174	71420378	71420344
71420191	71420446	71420388
71420312	71420234	71420392
71420176	71420242	71420394
71420160	71420264	71420396
71420240	71420314	71420432

71420434
71420440
71420444
71420452

71420456
71420458
71420460
71420464

71423116

Catalog numbers used in the analysis of the Genesis II (Oxinium)/Genesis II combination.

71421224 - 71420182	71421217 - 71420170	71421228 - 71420190
71421234 - 71420164	71421233 - 71420162	71421237 - 71420174
71421225 - 71420184	71420138 - 71420168	71421204 - 71420180
71421235 - 71420166	71421205 - 71420182	71421213 - 71420162
71421205 - 71420184	71421215 - 71420164	71421227 - 71420191
71421214 - 71420164	71421223 - 71420180	71420140 - 71420174
71421215 - 71420166	71420154 - 71420186	71421205 - 71420188
71421204 - 71420182	71421224 - 71420180	71421206 - 71420190
71421226 - 71420188	71421233 - 71420164	71421207 - 71420191
71421236 - 71420168	71420136 - 71420168	71421207 - 71420186
71421236 - 71420170	71421234 - 71420162	71421225 - 71420188
71421225 - 71420186	71420156 - 71420190	71420134 - 71420166
71421226 - 71420186	71421226 - 71420184	71421217 - 71420174
71421235 - 71420168	71420140 - 71420172	71421228 - 71420191
71421227 - 71420190	71420134 - 71420164	71421238 - 71420174
71421206 - 71420186	71420138 - 71420170	71420150 - 71420184
71421216 - 71420168	71421213 - 71420164	71420136 - 71420164
71421234 - 71420166	71421236 - 71420166	71420154 - 71420184
71421207 - 71420190	71420150 - 71420182	71420156 - 71420188
71421216 - 71420170	71421208 - 71420190	71420142 - 71420172
71421225 - 71420182	71421214 - 71420162	71420142 - 71420174
71421237 - 71420172	71421238 - 71420172	71420158 - 71420191
71421224 - 71420184	71420154 - 71420188	71421225 - 71420312
71421237 - 71420170	71421206 - 71420184	71421117 - 71420190
71421204 - 71420184	71421223 - 71420182	71421224 - 71420186
71421206 - 71420188	71421216 - 71420166	71421237 - 71420168
71421217 - 71420172	71421218 - 71420174	71420156 - 71420191
71421205 - 71420186	71421227 - 71420186	71421115 - 71420184
71421215 - 71420168	71421216 - 71420172	71421234 - 71420168
71421235 - 71420164	71421235 - 71420170	71421015 - 71420166
71421207 - 71420188	71420152 - 71420186	71421016 - 71420168
71421214 - 71420166	71421203 - 71420180	71421217 - 71420168
71420152 - 71420184	71421215 - 71420170	71421234 - 71420240
71421227 - 71420188	71421218 - 71420172	71421114 - 71420182
71420136 - 71420166	71421203 - 71420182	71421204 - 71420186
71421226 - 71420190	71421208 - 71420191	71421223 - 71420176
71421236 - 71420172	71420140 - 71420170	71421224 - 71420304

71421235 - 71420248	71421215 - 71420378	71421212 - 71420162
71420138 - 71420166	71421216 - 71420174	71421212 - 71420164
71420148 - 71420180	71421225 - 71420190	71421213 - 71420166
71420152 - 71420182	71421226 - 71420182	71421214 - 71420160
71420154 - 71420190	71421228 - 71420188	71421214 - 71420182
71421016 - 71420166	71421233 - 71420166	71421214 - 71420368
71421017 - 71420172	71421234 - 71420242	71421215 - 71420380
71421116 - 71420186	71421235 - 71420250	71421215 - 71420384
71421223 - 71420298	71421235 - 71420256	71421215 - 71420388
71420158 - 71420190	71421236 - 71420164	71421216 - 71420384
71421015 - 71420164	71421236 - 71420264	71421216 - 71420396
71421115 - 71420182	71421238 - 71420170	71421217 - 71420386
71421117 - 71420188	71930008 - 71420174	71421218 - 71420170
71421214 - 71420168	71420134 - 71420162	71421222 - 71420176
71421223 - 71420296	71420134 - 71420168	71421223 - 71420304
71421224 - 71420306	71420140 - 71420168	71421224 - 71420176
71421233 - 71420232	71420150 - 71420180	71421224 - 71420188
71420136 - 71420170	71420150 - 71420186	71421224 - 71420316
71420138 - 71420172	71420152 - 71420188	71421225 - 71420304
71420156 - 71420186	71420154 - 71420191	71421225 - 71420314
71421014 - 71420164	71421013 - 71420162	71421225 - 71420320
71421016 - 71420170	71421014 - 71420162	71421225 - 71420338
71421113 - 71420180	71421014 - 71420166	71421226 - 71420312
71421115 - 71420186	71421015 - 71420168	71421226 - 71420320
71421116 - 71420190	71421017 - 71420174	71421226 - 71420322
71421118 - 71420191	71421018 - 71420172	71421227 - 71420338
71421202 - 71420180	71421018 - 71420174	71421233 - 71420234
71421208 - 71420188	71421113 - 71420176	71421233 - 71420244
71421213 - 71420160	71421114 - 71420180	71421234 - 71420232
71421216 - 71420386	71421114 - 71420184	71421234 - 71420234
71421225 - 71420180	71421115 - 71420188	71421234 - 71420248
71421226 - 71420191	71421118 - 71420190	71421235 - 71420252
71421232 - 71420160	71421202 - 71420176	71421235 - 71420262
71421233 - 71420160	71421204 - 71420188	71421236 - 71420174
71421235 - 71420240	71421205 - 71420190	71421236 - 71420250
71420132 - 71420162	71421205 - 71420444	71421236 - 71420256
71420132 - 71420164	71421205 - 71420446	71421237 - 71420166
71420148 - 71420182	71421206 - 71420191	71421237 - 71420182
71421015 - 71420170	71421206 - 71420446	71421237 - 71420266
71421017 - 71420170	71421206 - 71420452	71421237 - 71420268
71421116 - 71420184	71421206 - 71420456	71930007 - 71420174
71421116 - 71420188	71421206 - 71420460	71930009 - 71420191
71421206 - 71420182	71421207 - 71420464	
71421215 - 71420172	71421212 - 71420160	

Catalog numbers used in the analysis of the Genesis II (Oxinium)/Genesis II femoral component.

71421225	71421223	71421116
71421224	71420154	71421017
71421235	71420138	71421114
71421234	71420140	71420148
71421226	71420156	71421014
71421236	71421208	71420132
71421205	71421213	71421113
71421215	71421218	71421118
71421214	71420134	71421202
71421216	71421238	71421212
71421206	71420150	71421232
71421204	71421203	71421018
71421227	71421228	71930008
71421237	71420142	71421013
71421207	71421115	71421222
71421217	71421016	71930007
71420136	71420158	71930009
71421233	71421015	
71420152	71421117	

Catalog numbers used in the analysis of the Genesis II (Oxinium)/Genesis II tibia component.

71420184	71420304	71420252
71420182	71420248	71420262
71420166	71420232	71420266
71420164	71420298	71420268
71420186	71420296	71420314
71420168	71420306	71420316
71420170	71420386	71420322
71420188	71420250	71420368
71420190	71420256	71420380
71420172	71420234	71420388
71420180	71420242	71420396
71420162	71420264	71420444
71420174	71420320	71420452
71420191	71420338	71420456
71420160	71420378	71420460
71420312	71420384	71420464
71420176	71420446	
71420240	71420244	

Catalog numbers used in the analysis of the Genesis II (CoCr)/Genesis II combination.

71423235 - 71420184	71423205 - 71420168	71423205 - 71420170
71423234 - 71420182	71423226 - 71420172	71423214 - 71420180
71423224 - 71420164	71423223 - 71420162	71423224 - 71420168
71423225 - 71420166	71423233 - 71420182	71423227 - 71420168
71423237 - 71420190	71423235 - 71420182	71423238 - 71420191
71423226 - 71420168	71423235 - 71420188	71420074 - 71420168
71423236 - 71420186	71420088 - 71420184	71420074 - 71420170
71423225 - 71420168	71423204 - 71420166	71420088 - 71420186
71423226 - 71420170	71420026 - 71420190	71420092 - 71420188
71423236 - 71420188	71423214 - 71420184	71420102 - 71420164
71423235 - 71420186	71420008 - 71420166	71420122 - 71420186
71423234 - 71420184	71423228 - 71420172	71423203 - 71420162
71423206 - 71420170	71423236 - 71420190	71423213 - 71420182
71423227 - 71420172	71420010 - 71420168	71423217 - 71420191
71423216 - 71420186	71420072 - 71420166	71420010 - 71420172
71423214 - 71420182	71420086 - 71420182	71420012 - 71420170
71423224 - 71420166	71423215 - 71420182	71420022 - 71420186
71423205 - 71420166	71423223 - 71420164	71420028 - 71420191
71423215 - 71420184	71423238 - 71420190	71420120 - 71420184
71423227 - 71420170	71420004 - 71420164	71420124 - 71420188
71423206 - 71420168	71420026 - 71420186	71423234 - 71420186
71423225 - 71420164	71420028 - 71420190	71420012 - 71420174
71423237 - 71420188	71420104 - 71420166	71420104 - 71420164
71423216 - 71420188	71423237 - 71420191	71423206 - 71420166
71423204 - 71420164	71420020 - 71420182	71423218 - 71420191
71423207 - 71420172	71423227 - 71420174	71420014 - 71420174
71423217 - 71420188	71420090 - 71420186	71420028 - 71420188
71420022 - 71420184	71423237 - 71420186	71420076 - 71420172
71420008 - 71420168	71420070 - 71420164	71420090 - 71420188
71423236 - 71420184	71423224 - 71420162	71420106 - 71420170
71420010 - 71420170	71423228 - 71420174	71420108 - 71420170
71420012 - 71420172	71423234 - 71420180	71420120 - 71420182
71420024 - 71420184	71420072 - 71420168	71420122 - 71420188
71423215 - 71420186	71420124 - 71420190	71423208 - 71420172
71420022 - 71420182	71423206 - 71420172	71423208 - 71420174
71420026 - 71420188	71423213 - 71420180	71423215 - 71420188
71423207 - 71420170	71423216 - 71420190	71423217 - 71420186
71423217 - 71420190	71423225 - 71420170	71423218 - 71420190
71423226 - 71420166	71423233 - 71420180	71423223 - 71420166
71420024 - 71420186	71420076 - 71420170	71423228 - 71420170
71420006 - 71420164	71423203 - 71420164	71420008 - 71420170
71420006 - 71420166	71423205 - 71420164	71420076 - 71420174

71420094 - 71420190	71420006 - 71420162	71423215 - 71420314
71420094 - 71420191	71420010 - 71420166	71423216 - 71420191
71420100 - 71420164	71420010 - 71423116	71423216 - 71420320
71420106 - 71420168	71420014 - 71420172	71423217 - 71420336
71420118 - 71420180	71420020 - 71420180	71423218 - 71420186
71420118 - 71420182	71420024 - 71420188	71423218 - 71420188
71420122 - 71420184	71420030 - 71420191	71423218 - 71420344
71423204 - 71420162	71420072 - 71420164	71423222 - 71420162
71423207 - 71420174	71420074 - 71420166	71423223 - 71420182
71423216 - 71420184	71420086 - 71420184	71423224 - 71420160
71423224 - 71420368	71420088 - 71420188	71423224 - 71420184
71420004 - 71420162	71420090 - 71420184	71423224 - 71420186
71420006 - 71420168	71420092 - 71420191	71423224 - 71420380
71420008 - 71420164	71420102 - 71420162	71423225 - 71420378
71420024 - 71420182	71420102 - 71420166	71423225 - 71420384
71420030 - 71420190	71420104 - 71420168	71423226 - 71420174
71420070 - 71420166	71420106 - 71420166	71423226 - 71420384
71420084 - 71420182	71420110 - 71420172	71423226 - 71420386
71420088 - 71420182	71420116 - 71420182	71423227 - 71420392
71420092 - 71420190	71420118 - 71420184	71423227 - 71420394
71420108 - 71420172	71420122 - 71420182	71423232 - 71420180
71420110 - 71420174	71420124 - 71420186	71423233 - 71420184
71420116 - 71420180	71420126 - 71420191	71423234 - 71420434
71423204 - 71420248	71423203 - 71420166	71423235 - 71420190
71423214 - 71420186	71423204 - 71420168	71423235 - 71420432
71423214 - 71420304	71423204 - 71420240	71423235 - 71420440
71423214 - 71420312	71423205 - 71420250	71423235 - 71420446
71423215 - 71420312	71423206 - 71420184	71423236 - 71420166
71423224 - 71420182	71423206 - 71420256	71423236 - 71420191
71423225 - 71420376	71423207 - 71420272	71423236 - 71420458
71423233 - 71420176	71423213 - 71420176	
71423238 - 71420188	71423213 - 71420184	

Catalog numbers used in the analysis of the Genesis II (CoCr)/Genesis II femoral component.

71423235	71423216	71420024
71423225	71423215	71420008
71423226	71423205	71420010
71423234	71423214	71420006
71423236	71423217	71420012
71423224	71420022	71423223
71423237	71423207	71423233
71423227	71423204	71423228
71423206	71420026	71420088

71420072	71420122	71420014
71423238	71420020	71420030
71420028	71420070	71420100
71420104	71423218	71420110
71423213	71420092	71420116
71420090	71420120	71420116
71420124	71420102	71420084
71423203	71420106	71420126
71420004	71423208	71423222
71420074	71420118	71423232
71420076	71420094	
71420086	71420108	

Catalog numbers used in the analysis of the Genesis II (CoCr)/Genesis II tibia component.

71420184	71420312	71420336
71420166	71420176	71420344
71420186	71420368	71420378
71420182	71420248	71420380
71420168	71420304	71420386
71420164	71420376	71420392
71420170	71420384	71420394
71420188	71420160	71420432
71420190	71420240	71420434
71420172	71420250	71420440
71420191	71420256	71420446
71420162	71420272	71420458
71420174	71420314	71423116
71420180	71420320	

Catalog numbers used in the analysis of the iTTotal combination.

The iTTotal implant catalog numbers are handled differently from other implants because they are shipped to the hospital as a kit after custom fabrication. Therefore, we did not separate out femoral and tibial components. An iTTotal case was identified if the case record contained (A) one of the catalog numbers listed below or (B) a catalog number of an iTTotal patella and either an insert or assembly. We did not include cases that had only a patalla catalog number. Since this template includes only femoral and tibial component catalog numbers, there may be cases satisfying condition (B) that are not defined here.

TCR111111FI	M57250600020FI	M57250600010TT
TCR111111TT	M57250600020TT	TPS111111TT
TPS111111FI	TCR111111TT	TCR111111FI
TPS111111TT	M57250600010FI	TCR111111FI

TPS111111TT	M57250600020TT	TCR111111TT
M57250600010TT	M57250600020FI	M57250600030TT
TCR11111102	M57250600030FI	M57250600030FI
M57250600010FI	M57250600030TT	
TPS111111FI	TPS111111FI	

Catalog numbers used in the analysis of the iTotal G2+ combination.

According to ConforMIS, there have been three versions of the iTotal (G1, G2, and G2+). The G2+ is what is currently being sold. Because ConforMIS custom fabricates each implant for each patient and ships a kit for each patient, it has records on when all implant kits sent to Michigan hospitals were shipped. ConforMIS provided a date after which it knows all shipped iTotal knees were the G2+ version. We used this cutoff to identify cases of iTotal that were the iTotal G2+ version. The catalog numbers associated with these cases were:

TCR111111FI	TCR11111102	M57250600020TT
TPS111111FI	M57250600030FI	M57250600010TT
M57250600020FI	TCR111111TT	M57250600030TT
M57250600010FI	TPS111111TT	

Catalog numbers used in the analysis of the Journey II/Journey combination.

74022125 - 74022224	74022126 - 74022224	74022119 - 74022218
74022115 - 74022214	74022123 - 74022222	74022126 - 74022227
74022114 - 74022213	74022113 - 74022212	74021157 - 74022216
74022116 - 74022215	74022123 - 74022223	74021166 - 74022225
74022124 - 74022223	74022124 - 74022222	74021156 - 74022215
74022126 - 74022225	74022113 - 74022213	74021156 - 74022216
74022125 - 74022223	74021154 - 74022213	74022118 - 74022216
74022117 - 74022216	74021164 - 74022223	74021153 - 74022212
74022115 - 74022213	74022118 - 74022218	74022128 - 74022226
74022127 - 74022226	74022127 - 74022225	74022129 - 74022228
74022115 - 74022215	74021165 - 74022224	74021166 - 74022226
74022118 - 74022217	74021155 - 74022214	74021168 - 74022227
74022125 - 74022225	74022114 - 74022212	74021165 - 74022223
74022116 - 74022216	74021154 - 74022214	74024925 - 74022224
74022128 - 74022227	74022117 - 74022215	74021167 - 74022227
74022117 - 74022217	74021155 - 74022215	74024924 - 74022224
74022126 - 74022226	74021164 - 74022224	74021155 - 74022213
74022116 - 74022214	74022128 - 74022228	74021163 - 74022222
74022124 - 74022224	74024215 - 74022214	74024924 - 74022223
74022127 - 74022227	74021165 - 74022225	74021158 - 74022218
74022114 - 74022214	74021167 - 74022226	74021163 - 74022223

74021164 - 74022222	74024215 - 74022215	74022125 - 74022222
74021156 - 74022214	74024216 - 74022216	74024216 - 74022217
74024216 - 74022215	74024924 - 74022222	74024218 - 74022218
74024926 - 74022224	74024925 - 74022223	74024923 - 74022223
74021158 - 74022217	74021155 - 74022216	74024926 - 74022227
74022127 - 74022228	74021168 - 74022228	74021153 - 74022211
74021154 - 74022212	74022113 - 74022214	74021159 - 74022217
74021157 - 74022217	74022115 - 74022216	74021159 - 74022218
74021166 - 74022224	74022123 - 74022224	74021162 - 74022221
74022125 - 74022226	74022124 - 74022225	74021163 - 74022224
74024213 - 74022212	74022126 - 74022223	74021164 - 74022225
74024214 - 74022213	74024218 - 74022216	74021166 - 74022223
74024215 - 74022213	74024218 - 74022217	74021167 - 74022228
74024216 - 74022214	74024925 - 74022225	74021168 - 74022225
74024217 - 74022216	74024927 - 74022227	74021257 - 74022216
74024926 - 74022225	74024928 - 74022228	74022110 - 74022217
74024927 - 74022226	74021156 - 74022217	74022110 - 74022218
74024214 - 74022214	74021158 - 74022216	74022114 - 74022211
74024217 - 74022217	74021163 - 74022221	74022116 - 74022218
74021153 - 74022213	74021167 - 74022225	74022120 - 74022228
74022114 - 74022215	74022112 - 74022211	74022125 - 74022227
74022117 - 74022218	74022113 - 74022211	74022127 - 74022224
74022122 - 74022222	74022116 - 74022213	74022128 - 74022225
74022129 - 74022227	74024213 - 74022213	74024215 - 74022216
74024926 - 74022226	74024214 - 74022212	74024923 - 74022222
74024928 - 74022227	74024216 - 74022213	74024924 - 74022225
74021154 - 74022215	74024217 - 74022215	74024926 - 74022223
74021157 - 74022215	74021160 - 74022228	74024927 - 74022225
74021166 - 74022227	74021165 - 74022226	74024927 - 74022228
74021169 - 74022228	74021168 - 74022226	74024928 - 74022225
74022116 - 74022217	74022112 - 74022212	74024928 - 74022226
74022119 - 74022217	74022118 - 74022215	
74022123 - 74022221	74022122 - 74022221	

Catalog numbers used in the analysis of the Journey II/Journey femoral component.

74022125	74022118	74021156
74022115	74022128	74021166
74022116	74022123	74021167
74022126	74022113	74024215
74022114	74021154	74021157
74022124	74021164	74024924
74022117	74021155	74024216
74022127	74021165	74021163

74024926	74024217	74024923
74022119	74024927	74021159
74021153	74024928	74021160
74021158	74024213	74022110
74024925	74024218	74021162
74021168	74022122	74021257
74022129	74021169	74022120
74024214	74022112	

Catalog numbers used in the analysis of the Journey II/Journey tibia component.

74022214	74022216	74022218
74022224	74022226	74022228
74022223	74022227	74022221
74022213	74022217	74022211
74022215	74022222	
74022225	74022212	

Catalog numbers used in the analysis of the Journey II (Oxinium)/Journey combination.

74022125 - 74022224	74022123 - 74022222	74021166 - 74022225
74022115 - 74022214	74022113 - 74022212	74021156 - 74022215
74022114 - 74022213	74022123 - 74022223	74021156 - 74022216
74022116 - 74022215	74022124 - 74022222	74022118 - 74022216
74022124 - 74022223	74022113 - 74022213	74021153 - 74022212
74022126 - 74022225	74021154 - 74022213	74022128 - 74022226
74022125 - 74022223	74021164 - 74022223	74022129 - 74022228
74022117 - 74022216	74022118 - 74022218	74021166 - 74022226
74022115 - 74022213	74022127 - 74022225	74021168 - 74022227
74022127 - 74022226	74021165 - 74022224	74021165 - 74022223
74022115 - 74022215	74021155 - 74022214	74021167 - 74022227
74022118 - 74022217	74022114 - 74022212	74021155 - 74022213
74022125 - 74022225	74021154 - 74022214	74021163 - 74022222
74022116 - 74022216	74022117 - 74022215	74021158 - 74022218
74022128 - 74022227	74021155 - 74022215	74021163 - 74022223
74022117 - 74022217	74021164 - 74022224	74021164 - 74022222
74022126 - 74022226	74022128 - 74022228	74021156 - 74022214
74022116 - 74022214	74021165 - 74022225	74021158 - 74022217
74022124 - 74022224	74021167 - 74022226	74022127 - 74022228
74022127 - 74022227	74022119 - 74022218	74021154 - 74022212
74022114 - 74022214	74022126 - 74022227	74021157 - 74022217
74022126 - 74022224	74021157 - 74022216	74021166 - 74022224

74022125 - 74022226	74022124 - 74022225	74021159 - 74022218
74021153 - 74022213	74022126 - 74022223	74021162 - 74022221
74022114 - 74022215	74021156 - 74022217	74021163 - 74022224
74022117 - 74022218	74021158 - 74022216	74021164 - 74022225
74022122 - 74022222	74021163 - 74022221	74021166 - 74022223
74022129 - 74022227	74021167 - 74022225	74021167 - 74022228
74021154 - 74022215	74022112 - 74022211	74021168 - 74022225
74021157 - 74022215	74022113 - 74022211	74022110 - 74022217
74021166 - 74022227	74022116 - 74022213	74022110 - 74022218
74021169 - 74022228	74021160 - 74022228	74022114 - 74022211
74022116 - 74022217	74021165 - 74022226	74022116 - 74022218
74022119 - 74022217	74021168 - 74022226	74022120 - 74022228
74022123 - 74022221	74022112 - 74022212	74022125 - 74022227
74021155 - 74022216	74022118 - 74022215	74022127 - 74022224
74021168 - 74022228	74022122 - 74022221	74022128 - 74022225
74022113 - 74022214	74022125 - 74022222	
74022115 - 74022216	74021153 - 74022211	
74022123 - 74022224	74021159 - 74022217	

Catalog numbers used in the analysis of the Journey II (Oxinium)/Journey femoral component.

74022125	74021154	74021168
74022115	74021164	74022129
74022116	74021155	74022122
74022126	74021165	74021169
74022114	74021156	74022112
74022124	74021166	74021159
74022117	74021167	74021160
74022127	74021157	74022110
74022118	74021163	74021162
74022128	74022119	74022120
74022123	74021153	
74022113	74021158	

Catalog numbers used in the analysis of the Journey II (Oxinium)/Journey tibia component.

74022214	74022216	74022218
74022224	74022226	74022228
74022223	74022227	74022221
74022213	74022217	74022211
74022215	74022222	
74022225	74022212	

Catalog numbers used in the analysis of the LCS Complete/M.B.T combination.

129401040 - 129431130	129403050 - 129433130	129402060 - 129433150
129402040 - 129431130	129402060 - 129431160	129402070 - 129431140
129401060 - 129431150	129403040 - 129433140	129402070 - 129431150
129402050 - 129431140	129403070 - 129433160	129403030 - 129433120
129402060 - 129431150	129404040 - 129433140	129403030 - 129433125
129401050 - 129431140	129401070 - 129431150	129403030 - 129433130
129403040 - 129433130	129402030 - 129431120	129403040 - 129433120
129403050 - 129433140	129402030 - 129431125	129403040 - 129434130
129404050 - 129433140	129402050 - 129431150	129404030 - 129433120
129401040 - 129431125	129402050 - 129433130	129404040 - 129431130
129404040 - 129433130	129403070 - 129433150	129404040 - 129431140
129402040 - 129431125	129404050 - 129433150	129404050 - 129431140
129403060 - 129433150	129404070 - 129433160	129404070 - 129433130
129404060 - 129433150	129401040 - 129433130	129404070 - 129433170
129402060 - 129431140	129401050 - 129433140	129411040 - 129431130
129402050 - 129431130	129403060 - 129433160	129411040 - 129431140
129401050 - 129431130	129403070 - 129433140	129411040 - 129433125
129404040 - 129433125	129411040 - 129433130	129411050 - 129433140
129401040 - 129431140	129412050 - 129433130	129411060 - 129431150
129401060 - 129431140	129401030 - 129431130	129411070 - 129433160
129403040 - 129433125	129401040 - 129431120	129412040 - 129431130
129404050 - 129433130	129401050 - 129431125	129412040 - 129433130
129404060 - 129433140	129401060 - 129433150	129412040 - 129433140
129401030 - 129431120	129401070 - 129431140	129412050 - 129431130
129402040 - 129431140	129401070 - 129431160	129412050 - 129433140
129403060 - 129433140	129402030 - 129433130	129428040 - 129435130
129402070 - 129431160	129402040 - 129431120	129428050 - 129435130
129404070 - 129433150	129402040 - 129433130	129429050 - 129435140
129401050 - 129431150	129402050 - 129431120	
129401060 - 129431160	129402050 - 129431125	
129401030 - 129431125	129402050 - 129433140	

Catalog numbers used in the analysis of the LCS Complete/M.B.T femoral component.

129401040	129403040	129401030
129402040	129404040	129404070
129402050	129404050	129402070
129401060	129403050	129402030
129402060	129403060	129403070
129401050	129404060	129401070

129411040	129404030	129428040
129412050	129411050	129428050
129403030	129411060	129429050
129412040	129411070	

Catalog numbers used in the analysis of the LCS Complete/M.B.T tibia component.

129431130	129433150	129435130
129431140	129433125	129433170
129431150	129431160	129434130
129433140	129431120	129435140
129433130	129433160	
129431125	129433120	

Catalog numbers used in the analysis of the Legion/Genesis II combination.

71421255 - 71420184	71933646 - 71420184	71421275 - 71420186
71421275 - 71420184	71421264 - 71420162	71933655 - 71420184
71421245 - 71420166	71421265 - 71420168	71421246 - 71420164
71421245 - 71420164	71933649 - 71420164	71421273 - 71420180
71421255 - 71420182	71421264 - 71420166	71933641 - 71420164
71421265 - 71420164	71933642 - 71420164	71933643 - 71420166
71421254 - 71420182	71933653 - 71420182	71933647 - 71420184
71421265 - 71420166	71933646 - 71420182	71933651 - 71420166
71421275 - 71420182	71421244 - 71420166	71933651 - 71420168
71421244 - 71420164	71421253 - 71420180	71421244 - 71420240
71421274 - 71420182	71421274 - 71420184	71421245 - 71420248
71421264 - 71420164	71421256 - 71420182	71421266 - 71420164
71421246 - 71420166	71933647 - 71420186	71933650 - 71420168
71421256 - 71420186	71933650 - 71420164	71933653 - 71420184
71421276 - 71420186	71933655 - 71420186	71933654 - 71420186
71421256 - 71420184	71421255 - 71420186	71421246 - 71420170
71421254 - 71420180	71933645 - 71420182	71421256 - 71420312
71421266 - 71420168	71933654 - 71420182	71421276 - 71420188
71933654 - 71420184	71421266 - 71420170	71933646 - 71420312
71933650 - 71420166	71933649 - 71420166	71421243 - 71420160
71421276 - 71420184	71421243 - 71420162	71421246 - 71420256
71421244 - 71420162	71421245 - 71420168	71421254 - 71420304
71421246 - 71420168	71421245 - 71420240	71421263 - 71420164
71421274 - 71420180	71421254 - 71420184	71421265 - 71420170
71933642 - 71420166	71421255 - 71420312	71933642 - 71420248
71421266 - 71420166	71421263 - 71420162	71933652 - 71420180

71421243 - 71420232	71421165 - 71420166	71421273 - 71420164
71421245 - 71420162	71421167 - 71420168	71421273 - 71420176
71421253 - 71420176	71421173 - 71420180	71421273 - 71420182
71421255 - 71420180	71421174 - 71420180	71421275 - 71420188
71421255 - 71420304	71421175 - 71420186	71425006 - 71420172
71421255 - 71420314	71421177 - 71420190	71426003 - 71420180
71421256 - 71420320	71421244 - 71420182	71933641 - 71420240
71421263 - 71420160	71421244 - 71420234	71933642 - 71420168
71421275 - 71420180	71421245 - 71420182	71933644 - 71420180
71933640 - 71420164	71421245 - 71420250	71933644 - 71420182
71933641 - 71420162	71421246 - 71420240	71933645 - 71420184
71933643 - 71420168	71421246 - 71420248	71933646 - 71420186
71933645 - 71420180	71421253 - 71420296	71933646 - 71420304
71933647 - 71420320	71421254 - 71420296	71933647 - 71420182
71933648 - 71420164	71421254 - 71420306	71933647 - 71420188
71933651 - 71420170	71421254 - 71420308	71933649 - 71420162
71933652 - 71420182	71421255 - 71420306	71933649 - 71420168
71933655 - 71420188	71421256 - 71420188	71933650 - 71420170
71421163 - 71420166	71421263 - 71926221	71933651 - 71420172
71421164 - 71420164	71421264 - 71420160	71933653 - 71420180
71421165 - 71420164	71421266 - 71420184	

Catalog numbers used in the analysis of the Legion/Genesis II femoral component.

71421255	71933646	71933640
71421245	71933649	71933644
71421275	71933653	71933648
71421265	71933647	71421163
71421254	71933655	71421164
71421244	71933651	71421167
71421274	71421253	71421173
71421256	71421263	71421174
71421264	71421243	71421175
71421246	71933645	71421177
71421266	71421273	71425006
71421276	71933641	71426003
71933650	71933643	
71933654	71933652	
71933642	71421165	

Catalog numbers used in the analysis of the Legion/Genesis II tibia component.

71420184	71420240	71420296
71420182	71420188	71420306
71420164	71420248	71420314
71420166	71420160	71420190
71420186	71420304	71420234
71420168	71420320	71420250
71420180	71420176	71420308
71420162	71420256	71926221
71420170	71420172	
71420312	71420232	

Catalog numbers used in the analysis of the NexGen GS/NexGen Pegged combination.

00575001501 - 00597003502	00575001502 - 00597004501	00575001606 - 00597003501
00575001502 - 00597003502	00575001701 - 00597004501	00575001606 - 00597004502
00575001505 - 00597003502	00575001401 - 00597003501	00575001706 - 00597005501
00575001506 - 00597003502	00575001401 - 00597003502	00575201502 - 00597003501
00575001602 - 00597004501	00575001405 - 00597002502	00575201602 - 00597003502
00575001505 - 00597003501	00575001406 - 00597002502	00575001305 - 00597002502
00575001506 - 00597003501	00575001506 - 00597004501	00575001401 - 00597004501
00575001501 - 00597003501	00575001702 - 00597004501	00575001402 - 00597004501
00575001606 - 00597003502	00575001705 - 00597005501	00575001502 - 00597002502
00575001606 - 00597004501	00575001706 - 00597004501	00575001505 - 00597004502
00575001601 - 00597004501	00575001406 - 00597003502	00575001506 - 00597002502
00575001601 - 00597003502	00575001505 - 00597004501	00575001601 - 00597005501
00575001602 - 00597003502	00575001401 - 00597002502	00575001701 - 00597003502
00575001605 - 00597003502	00575001402 - 00597003502	00575001701 - 00597005501
00575001706 - 00597004502	00575001405 - 00597003502	00575001702 - 00597003502
00575001605 - 00597004501	00575001602 - 00597003501	00575201501 - 00597002502
00575001705 - 00597004502	00575001702 - 00597005501	00575201502 - 00597002502
00575001502 - 00597003501	00575001705 - 00597004501	00575201505 - 00597003502
00575001701 - 00597004502	00575001306 - 00597002502	00575201601 - 00597003501
00575001402 - 00597003501	00575001402 - 00597002502	00575201601 - 00597003502
00575001406 - 00597003501	00575001601 - 00597003501	00575201602 - 00597003501
00575001501 - 00597004501	00575001601 - 00597004502	00575201605 - 00597003502
00575001405 - 00597003501	00575001602 - 00597004502	00575201606 - 00597004501
00575001702 - 00597004502	00575001605 - 00597003501	

Catalog numbers used in the analysis of the NexGen GS/NexGen Pegged femoral component.

00575001501	00575001705	00575001306
00575001505	00575001701	00575201601
00575001506	00575001406	00575001305
00575001502	00575001702	00575201501
00575001602	00575001405	00575201505
00575001606	00575001401	00575201605
00575001601	00575001402	00575201606
00575001605	00575201502	
00575001706	00575201602	

Catalog numbers used in the analysis of the NexGen GS/NexGen Pegged tibia component.

00597003502	00597004502
00597004501	00597002502
00597003501	00597005501

Catalog numbers used in the analysis of the NexGen LPS GS/NexGen Precoat combination.

00576401552 - 00598003702	00576401651 - 00598003701	00576401551 - 00598002702
00576401652 - 00598004701	00576401651 - 00598004702	00576401752 - 00598005701
00576401551 - 00598003702	00576401752 - 00598004702	00576401351 - 00598002701
00576401651 - 00598004701	00576401751 - 00598004701	00576401451 - 00598004701
00576401652 - 00598003702	00576401652 - 00598004702	00576401751 - 00598005701
00576401651 - 00598003702	00576401752 - 00598004701	00576401452 - 00598002701
00576401552 - 00598003701	00576401652 - 00598003701	00576401551 - 00598004702
00576401552 - 00598004701	00576401751 - 00598004702	00576401552 - 00598004702
00576401551 - 00598003701	00576401451 - 00598003702	00576401652 - 00598005701
00576401551 - 00598004701	00576401452 - 00598002702	00576401752 - 00598003702
00576401452 - 00598003701	00576401452 - 00598003702	00576401752 - 00598005702
00576401451 - 00598003701	00576401451 - 00598002702	

Catalog numbers used in the analysis of the NexGen LPS GS/NexGen Precoat femoral component.

00576401552	00576401452	00576401351
00576401652	00576401752	
00576401551	00576401451	
00576401651	00576401751	

Catalog numbers used in the analysis of the NexGen LPS GS/NexGen Precoat tibia component.

00598003702	00598004702	00598002701
00598004701	00598002702	00598005702
00598003701	00598005701	

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen Precoat combination.

00596401751 - 00598005701	00596401751 - 00598005702	00596401452 - 00598003701
00596401752 - 00598005701	00596401552 - 00598003701	00596401551 - 00598004702
00596401751 - 00598004702	00596401552 - 00598004701	00596401552 - 00598004702
00596401752 - 00598004702	00596401651 - 00598005701	00596401652 - 00598003702
00599601552 - 00598003702	00599601751 - 00598004702	00599601452 - 00598002702
00599601551 - 00598003702	00599601752 - 00598004702	00599601652 - 00598005701
00599601551 - 00598003701	00596401451 - 00598003701	00599601851 - 00598005702
00596401552 - 00598003702	00599601451 - 00598003702	00599601852 - 00598005702
00596401551 - 00598003702	00599601452 - 00598003702	00596401451 - 00598005702
00599601452 - 00598003701	00596401551 - 00598003701	00596401652 - 00598005701
00599601752 - 00598005701	00596401551 - 00598004701	00599601552 - 00598004702
00596401651 - 00598004701	00596401651 - 00598003702	00599601651 - 00598003701
00596401651 - 00598004702	00599601751 - 00598005702	00599601651 - 00598005701
00599601651 - 00598004701	00599601651 - 00598003702	00599601851 - 00598005701
00599601651 - 00598004702	00599601652 - 00598003702	00596401351 - 00598002702
00599601652 - 00598004701	00599601751 - 00598004701	00596401352 - 00598002701
00599601652 - 00598004702	00596401452 - 00598003702	00596401352 - 00598003701
00596401652 - 00598004702	00596401751 - 00598004701	00596401352 - 00598003702
00599601552 - 00598003701	00596401752 - 00598004701	00596401452 - 00598002702
00599601751 - 00598005701	00599601352 - 00598002702	00596401452 - 00598004701
00599601551 - 00598004701	00599601451 - 00598002702	00596401552 - 00598002702
00599601552 - 00598004701	00599601752 - 00598004701	00596401751 - 00598005704
00596401752 - 00598005702	00599601752 - 00598005702	00599601351 - 00598003701
00599601451 - 00598003701	00596401352 - 00598002702	00599601352 - 00598003701
00596401652 - 00598004701	00596401451 - 00598002702	00599601451 - 00598004701

00599601552 - 00598800300
00599601752 - 00598005703

00599601752 - 00598800700
00599601851 - 00598005703

00599601852 - 00598005703

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen Precoat femoral component.

00596401751	00599601752	00596401352
00596401752	00596401551	00599601851
00599601551	00599601751	00599601352
00599601552	00596401652	00599601852
00596401651	00599601452	00596401351
00596401552	00599601451	00599601351
00599601651	00596401451	
00599601652	00596401452	

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen Precoat tibia component.

00598004702	00598005702	00598800300
00598005701	00598002702	00598800700
00598003702	00598005703	
00598004701	00598002701	
00598003701	00598005704	

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen TM combination.

00596401552 - 00588606410	00596401752 - 00588606612	00596401652 - 00588605612
00596401452 - 00588605310	00599601652 - 00588606410	00596401751 - 00588605710
00596401551 - 00588606410	00599601752 - 00588606610	00596401551 - 00588606414
00599601551 - 00588606310	00596401651 - 00588605510	00596401652 - 00588605512
00596401551 - 00588606412	00599601752 - 00588606510	00596401752 - 00588605710
00596401652 - 00588605510	00596401551 - 00588605510	00599601551 - 00588606312
00596401652 - 00588605610	00599601552 - 00588606312	00599601651 - 00588606310
00596401751 - 00588606610	00599601652 - 00588606310	00596401452 - 00588605314
00596401752 - 00588606610	00599601751 - 00588606510	00596401651 - 00588605614
00596401451 - 00588605312	00599601751 - 00588606610	00596401751 - 00588606612
00596401452 - 00588605312	00596401552 - 00588605510	00599601651 - 00588605510
00599601552 - 00588606310	00596401452 - 00588605410	00599601652 - 00588605512
00596401552 - 00588606412	00596401451 - 00588605310	00599601652 - 00588606412
00596401651 - 00588605512	00596401451 - 00588605314	00599601851 - 00588606610
00599601651 - 00588606410	00596401551 - 00588605512	00596401451 - 00588605410
00596401651 - 00588605610	00596401651 - 00588605612	00596401551 - 00588605514

00596401552 - 00588606310
00599601651 - 00588605512
00599601651 - 00588606412
00596401451 - 00588605412
00596401551 - 00588606310
00596401552 - 00588605512
00596401552 - 00588605514
00596401552 - 00588606414
00596401651 - 00588605514
00596401652 - 00588605614
00596401652 - 00588606410
00596401752 - 00588606614
00599601451 - 00588605310
00599601652 - 00588605510
00599601751 - 00588606612
00599601752 - 00588606512
00596401651 - 00588606410
00596401651 - 00588606412
00596401751 - 00588606614
00599601551 - 00588606410
00599601752 - 00588606612
00599601851 - 00588605710
00599601852 - 00588606610
00596401352 - 00588605312
00596401451 - 00588605414
00596401552 - 00588606312
00596401751 - 00588605712
00599601452 - 00588605310
00599601552 - 00588606410
00599601651 - 00588606312
00599601652 - 00588606312
00599601751 - 00588606512
00599601752 - 00588606614
00596401451 - 00588605317
00596401452 - 00595402702
00596401551 - 00588606314
00596401552 - 00588606314
00596401651 - 00588605617
00596401652 - 00588606412
00596401752 - 00588605712
00596401752 - 00588606512
00599601551 - 00588606414
00599601552 - 00588606412
00599601651 - 00588605610
00596401451 - 00588605317
00596401452 - 00595402702
00596401551 - 00588605614
00596401552 - 00588606312
00596401651 - 00588606414
00596401651 - 00588606417
00596401651 - 00588606712
00596401651 - 00588606714
00596401652 - 00588606712
00599601651 - 00588605614
00599601651 - 00588605512
00599601651 - 00588605514
00599601651 - 00588605614
00599601651 - 00588606414
00599601651 - 00588605514
00599601651 - 00588606414
00599601651 - 00588605714
00599601651 - 00588606414
00599601651 - 00588605514
00599601651 - 00588605517
00599601652 - 00588605612
00599601652 - 00588605614
00599601652 - 00588606414
00599601652 - 00595403702
00599601751 - 00588605714
00599601751 - 00588605717
00599601751 - 00595404702
00599601752 - 00588605710
00599601752 - 00588605812
00599601752 - 00595404702
00599601851 - 00588605714
00599601851 - 00588606510
00599601851 - 00588606614
00599601852 - 00588605810
00599601852 - 00588605812
00599601852 - 00588606614
00599601852 - 588605814

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen TM femoral component.

00596401551	00599601652	00599601451
00596401552	00596401751	00599601452
00596401651	00599601551	00596401352
00596401652	00599601552	00596401351
00596401452	00599601752	00599601352
00596401451	00599601751	
00596401752	00599601851	
00599601651	00599601852	

Catalog numbers used in the analysis of the NexGen LPS Option/NexGen TM tibia component.

00588606410	00588605314	00588606417
00588606610	00588605410	00588606617
00588606310	00588605614	00595403702
00588605510	00588606614	00595404701
00588606412	00588606512	00595404702
00588605512	00588606314	00588605417
00588605312	00588605712	00588606514
00588605310	00588605412	00588606710
00588605610	00588605317	00588606712
00588606612	00595402702	00595405701
00588606312	00588605414	00588605717
00588606510	00588605517	00588606714
00588605710	00588605714	00588607512
00588605612	00588605810	00595403701
00588606414	00588605617	588605814
00588605514	00588605812	

Catalog numbers used in the analysis of the NexGen Option/NexGen Option combination.

00595601502 - 00598603702	00595601502 - 00598604701	00595601501 - 00598603701
00595601601 - 00598604702	00595601501 - 00598604701	00595601401 - 00598603701
00595601701 - 00598605701	00595601701 - 00598604702	00595601502 - 00598603701
00595601702 - 00598605701	00595601506 - 00598603702	00595601506 - 00598603701
00595601501 - 00598603702	00595601505 - 00598603702	00595601506 - 00598604701
00595601602 - 00598604702	00595601706 - 00598605701	00595601601 - 00598604701
00595601702 - 00598604702	00595601602 - 00598604701	00595601605 - 00598604702
00595601402 - 00598603701	00595601701 - 00598605702	00595601702 - 00598605702

00595601606 - 00598604701	00595601601 - 00598603702	00595601601 - 00598603701
00595601402 - 00598603702	00595601706 - 00598605702	00595601702 - 00598604701
00595601505 - 00598603701	00595601502 - 00598604702	00595601506 - 00598604702
00595601401 - 00598603702	00595601602 - 00598603702	00595601606 - 00598605702
00595601601 - 00598605701	00595601605 - 00598605701	00595601701 - 00598604701
00595601705 - 00598605701	00595601605 - 00598603702	00595601705 - 00598604701
00595601505 - 00598604701	00595601606 - 00598605701	00595601401 - 00598604701
00595601606 - 00598604702	00595601705 - 00598605702	00595601406 - 00598603702
00595601406 - 00598603701	00595601706 - 00598604701	00595601502 - 00598605701
00595601605 - 00598604701	00595601302 - 00598603701	00595601601 - 00598605702
00595601705 - 00598604702	00595601402 - 00598604701	00595601602 - 00598603701
00595601405 - 00598603701	00595601405 - 00598603702	00595601602 - 00598605702
00595601602 - 00598605701	00595601501 - 00598604702	00595601606 - 00598603702
00595601706 - 00598604702	00595601505 - 00598604702	

Catalog numbers used in the analysis of the NexGen Option/NexGen Option femoral component.

00595601502	00595601506	00595601606
00595601701	00595601505	00595601705
00595601501	00595601402	00595601405
00595601702	00595601706	00595601406
00595601601	00595601605	00595601302
00595601602	00595601401	

Catalog numbers used in the analysis of the NexGen Option/NexGen Option tibia component.

00598604702	00598605701
00598603702	00598603701
00598604701	00598605702

Catalog numbers used in the analysis of the NexGen Option/NexGen Pegged combination.

00595601501 - 00597003502	00595601505 - 00597004501	00595601402 - 00597003501
00595601502 - 00597003502	00595601701 - 00597005501	00595601601 - 00597004502
00595601501 - 00597004501	00595601402 - 00597003502	00595601602 - 00597004501
00595601506 - 00597003502	00595601702 - 00597005501	00595601706 - 00597004502
00595601502 - 00597004501	00595601505 - 00597003502	00595601401 - 00597003501
00595601602 - 00597004502	00595601506 - 00597004501	00595601401 - 00597003502
00595601605 - 00597004502	00595601702 - 00597005502	00595601701 - 00597005502
00595601606 - 00597004502	00595601706 - 00597005501	00595601702 - 00597004502

00595601705 - 00597005501	00596601601 - 00597005501	00595601601 - 00597003502
00595601606 - 00597004501	00595601405 - 00597004501	00595601605 - 00597003502
00595601601 - 00597004501	00595601502 - 00597003501	00595601606 - 00597005501
00595601602 - 00597005501	00595601302 - 00597002502	00595601701 - 00597004501
00595601705 - 00597004502	00595601302 - 00597003501	00595601702 - 00597004501
00595601405 - 00597003501	00595601305 - 00597002502	00596601401 - 00597003502
00595601406 - 00597003501	00595601601 - 00597005502	00596601401 - 00597004501
00595601506 - 00597003501	00596601501 - 00597004502	00596601402 - 00597003502
00595601701 - 00597004502	00596601502 - 00597003502	00596601402 - 00597004501
00595601706 - 00597005502	00596601502 - 00597004501	00596601402 - 00597004501
00596601602 - 00597005501	00596601701 - 00597005503	00596601501 - 00597004501
00595601405 - 00597003502	00595601301 - 00597002502	00596601502 - 00597004502
00596601501 - 00597003502	00595601305 - 00597003501	00596601601 - 00597004501
00595601502 - 00597004502	00595601306 - 00597002502	00596601601 - 00597004502
00595601601 - 00597005501	00595601401 - 00597002502	00596601601 - 00597005502
00595601605 - 00597004501	00595601405 - 00597002502	00596601701 - 00597004502
00596601602 - 00597004502	00595601406 - 00597002502	00596601701 - 00597005501
00595601406 - 00597003502	00595601501 - 00597002502	595601301 - 00597002502
00595601505 - 00597003501	00595601501 - 00597003501	595601306 - 00597003501
00595601605 - 00597005501	00595601501 - 00597004502	
00595601705 - 00597005502	00595601505 - 00597004502	

Catalog numbers used in the analysis of the NexGen Option/NexGen Pegged femoral component.

00595601501	00595601601	00595601302
00595601502	00595601605	00596601701
00595601506	00595601401	00595601305
00595601702	00595601705	00596601401
00595601602	00595601405	00596601402
00595601505	00595601406	00595601301
00595601701	00596601602	00595601306
00595601706	00596601501	595601301
00595601402	00596601601	595601306
00595601606	00596601502	

Catalog numbers used in the analysis of the NexGen Option/NexGen Pegged tibia component.

00597003502	00597005501	00597002502
00597004501	00597003501	00597005503
00597004502	00597005502	

Catalog numbers used in the analysis of the NK II/NK II combination.

630700021 - 630701210	630700031 - 642001230	630700009 - 630701200
630700020 - 630700210	621200031 - 630701210	630700009 - 642001100
630700030 - 630700220	621200050 - 630700240	630700020 - 642000230
630700031 - 630701220	621200021 - 630701220	630700031 - 642001240
621200031 - 630701220	630700011 - 642001210	630700040 - 630700240
621200030 - 630700220	630700020 - 642000220	630700040 - 642000240
621200020 - 630700210	630700021 - 642001220	632000202 - 642001210
621200021 - 630701210	630700041 - 642001240	621200008 - 630700200
621200041 - 630701230	621200030 - 630700210	621200020 - 630700200
621200040 - 630700230	630700021 - 630701200	621200021 - 630701200
630700041 - 630701230	630700031 - 642001220	621200031 - 630701240
630700030 - 630700230	621200051 - 630701230	621200050 - 630700250
630700021 - 630701220	630700030 - 642000220	630700006 - 621200001
630700031 - 630701230	630700040 - 630700220	630700011 - 630701002
630700010 - 630700200	630700041 - 630701240	630700011 - 630701220
630700011 - 630701200	630700041 - 642001230	630700011 - 642001100
630700020 - 630700220	630700050 - 630700240	630700021 - 642001230
621200020 - 630700220	630700051 - 630701240	630700030 - 630700240
621200031 - 630701230	621200010 - 630700200	630700030 - 632400102
630700011 - 630701210	621200041 - 630701220	630700030 - 642000210
630700040 - 630700230	630700010 - 642000210	630700040 - 642000230
630700010 - 630700210	621200041 - 630701240	630700051 - 642001240
630700020 - 642000210	621200051 - 630701240	632000101 - 642000210
630700021 - 642001210	630700010 - 642000100	632000102 - 642000210
630700030 - 642000230	621200040 - 630700240	632000103 - 642000220
621200030 - 630700230	621200050 - 630700230	632000103 - 642000230
630700030 - 630700210	630700008 - 630700200	632000202 - 642001220
621200010 - 630700210	630700041 - 630701220	632000203 - 642001220
621200011 - 630701210	621200011 - 630701200	632000203 - 642001230
630700020 - 630700200	621200040 - 630700220	
630700031 - 630701210	630700008 - 630700002	

Catalog numbers used in the analysis of the NK II/NK II femoral component.

630700021	621200020	621200040
630700020	630700011	630700040
630700030	630700041	621200010
630700031	630700010	621200050
621200031	621200021	621200011
621200030	621200041	621200051

630700051	632000202	630700006
630700050	632000103	632000101
630700008	632000203	632000102
630700009	621200008	

Catalog numbers used in the analysis of the NK II/NK II tibia component.

630701210	630700240	642001100
630700210	630701240	630700002
630700220	642000210	642000240
630701220	642001230	621200001
630701230	642001220	630700250
630700230	642000230	630701002
630700200	642000220	632400102
630701200	642001240	
642001210	642000100	

Catalog numbers used in the analysis of the NK II GS/NK II combination.

00541401502 - 630701210	00541601501 - 621200210	00541201602 - 630701230
00541401501 - 630700210	00541201602 - 630701220	00541201701 - 621200230
00541001702 - 630701230	00541201702 - 630701230	00541401601 - 630700210
00541001601 - 630700230	00541401401 - 630700200	00541601401 - 621200200
00541001701 - 630700230	00541601502 - 621201210	00541601402 - 621201210
00541001602 - 630701230	00541001501 - 630700210	00541601601 - 621200220
00541401602 - 630701220	00541201601 - 630700220	00541601602 - 621201210
00541001602 - 630701220	00541001401 - 630700210	00541201702 - 621201230
00541401502 - 630701220	00541401701 - 630700230	00541001401 - 630700200
00541401601 - 630700220	00541601502 - 621201220	00541201702 - 630701240
00541001601 - 630700220	00541601501 - 621200220	00541401501 - 630700200
00541401402 - 630701210	00541401602 - 630701210	00541601401 - 621200210
00541401401 - 630700210	00541001402 - 630701210	00541201402 - 630701210
00541401501 - 630700220	00541401702 - 630701230	00541401601 - 630700230
00541001502 - 630701210	00541001402 - 630701200	00541601602 - 621201220
00541001701 - 630700240	00541201502 - 630701220	00541201701 - 630700240
00541401402 - 630701200	00541201602 - 621201230	00541201802 - 630701240
00541201502 - 630701210	00541201602 - 630701210	00541401702 - 630701220
00541201501 - 630700210	00541001801 - 630700240	00541601402 - 621201200
00541201701 - 630700230	00541201501 - 630700220	00541201801 - 630700240
00541001502 - 630701220	00541201601 - 621200230	00541401302 - 630701200
00541001501 - 630700220	00541201601 - 630700230	00541201601 - 630700210
00541001702 - 630701240	00541001802 - 630701240	00541201701 - 621200240

00541201701 - 630700220	00541601701 - 621200230	00541601402 - 621201002
00541201401 - 630700210	00541001601 - 630700240	00541601501 - 621200230
00541201702 - 621201240	00541001702 - 630701220	00541001401 - 630700220
00541601401 - 621200220	00541001802 - 630701230	00541001402 - 630701220
00541601502 - 621201200	00541201401 - 630700200	00541001501 - 630700200
00541001501 - 630700230	00541201402 - 630701200	00541001502 - 630700220
00541201502 - 621201230	00541201501 - 630700200	00541001701 - 630701230
00541401701 - 630700220	00541201502 - 630701200	00541201501 - 621200210
00541001602 - 630701240	00541201601 - 621200240	00541201501 - 621200240
00541201501 - 621200220	00541601502 - 621201230	00541201502 - 621201210
00541201601 - 621200220	00541601602 - 630701220	00541201502 - 621201220
00541201602 - 621201220	00541601702 - 621201230	00541201502 - 630701230
00541201702 - 630701220	00541001701 - 630700220	00541201701 - 621200250
00541401502 - 630701200	00541001802 - 630701250	00541201701 - 630701230
00541401602 - 630701230	00541201501 - 621200230	00541201702 - 621201250
00541601601 - 621200210	00541201701 - 621200220	00541201801 - 630700250
00541001502 - 630701230	00541201801 - 621200230	00541401302 - 630701210
00541001601 - 630700210	00541201801 - 621200240	00541401401 - 630701210
00541001602 - 630701210	00541201801 - 630700230	00541401501 - 630700230
00541201602 - 621201240	00541201802 - 621201240	00541401501 - 630701210
00541401301 - 630700200	00541201802 - 630701230	00541401502 - 642001220
00541401401 - 630700220	00541401601 - 630701220	00541401601 - 630701210
00541401402 - 630701220	00541401602 - 630700220	00541401601 - 632400102
00541601402 - 621201220	00541401701 - 630700240	00541601601 - 621200230
00541601501 - 621200200	00541601301 - 621200200	00541601701 - 621200220
00541601602 - 621201230	00541601302 - 621201200	

Catalog numbers used in the analysis of the NK II GS/NK II femoral component.

00541401502	00541001501	00541001802
00541401501	00541201702	00541201801
00541001601	00541201502	00541001801
00541001602	00541201501	00541201402
00541001702	00541601502	00541201802
00541001701	00541601501	00541201401
00541401602	00541001401	00541401302
00541401402	00541001402	00541601701
00541401401	00541401701	00541401301
00541401601	00541601401	00541601702
00541201602	00541601602	00541601301
00541001502	00541601402	00541601302
00541201701	00541401702	
00541201601	00541601601	

Catalog numbers used in the analysis of the NK II GS/NK II tibia component.

630701210	621201210	621201002
630700210	621200220	630701250
630701220	621200210	621200250
630700230	621201220	621201250
630700220	621201230	630700250
630701230	621200230	632400102
630700240	621200200	642001220
630701200	621201200	
630701240	621200240	
630700200	621201240	

Catalog numbers used in the analysis of the Persona/Persona combination.

42502607001 - 42532007901	42502006002 - 42532006702	42502006201 - 42532007101
42502607002 - 42532007902	42500607001 - 42532007901	42500606402 - 42532007502
42502606402 - 42532007102	42502606402 - 42532007502	42500606801 - 42532007501
42502006402 - 42532007102	42500606201 - 42532007101	42502607402 - 42532008302
42502006202 - 42532006702	42500606402 - 42532007102	42502607001 - 42532008301
42502006201 - 42532006701	42500006202 - 42532006702	42500006601 - 42532007101
42502606202 - 42532007102	42502006001 - 42532006701	42502605802 - 42532006702
42502606201 - 42532007101	42500606801 - 42532007901	42502606602 - 42532007902
42502606401 - 42532007101	42500606802 - 42532007902	42502606001 - 42532007101
42502006401 - 42532007101	42502606401 - 42532007501	42500606802 - 42532007502
42502606601 - 42532007501	42502006402 - 42532006702	42500606202 - 42532006702
42502606602 - 42532007502	42500606601 - 42532007501	42500606001 - 42532007101
42502606801 - 42532007501	42500606602 - 42532007502	42502605801 - 42532006701
42502606802 - 42532007502	42502006401 - 42532006701	42502607401 - 42532008301
42502606201 - 42532006701	42500006002 - 42532006702	42500606002 - 42532007102
42502606002 - 42532006702	42500606401 - 42532007101	42500006401 - 42532006701
42502606801 - 42532007901	42502606601 - 42532007101	42500006402 - 42532006702
42502606202 - 42532006702	42500606002 - 42532006702	42500605802 - 42532006702
42502606802 - 42532007902	42502606602 - 42532007102	42502607401 - 42532007901
42500606202 - 42532007102	42502607002 - 42532008302	42500006202 - 42532007102
42502006602 - 42532007102	42500006602 - 42532007102	42500606602 - 42532007902
42500006401 - 42532007101	42500606401 - 42532007501	42502006001 - 42532006401
42502006601 - 42532007101	42502606002 - 42532007102	42500605801 - 42532006701
42502606001 - 42532006701	42502006202 - 42532007102	42502006002 - 42532006402
42500006201 - 42532006701	42500606001 - 42532006701	42500606201 - 42532006701
42500006402 - 42532007102	42500006001 - 42532006701	42500606601 - 42532007901
42500607002 - 42532007902	42502606601 - 42532007901	42500006201 - 42532007101

42500607002 - 42532008302
42502607001 - 42532007501
42502607002 - 42532007502
42502607402 - 42532007902
42500607001 - 42532008301
42502606201 - 42532007501
42502006802 - 42532007102
42502605802 - 42532006402
42500606602 - 42532007102
42502606202 - 42532007502
42502006801 - 42532007101
42502006802 - 42532007502
42502605801 - 42532006401
42500607401 - 42532008301
42500607402 - 42532008302
42502005802 - 42532006402
42500606601 - 42532007101
42502006801 - 42532007501
42502006202 - 42532006402
42502005801 - 42532006401
42502006201 - 42532006401
42500606202 - 42532007502
42502606002 - 42532006402
42500006002 - 42532006402
42500607401 - 42532007901
42502007001 - 42532007501
42502606802 - 42532008302
42502006601 - 42532007501
42502605602 - 42532006402
42502606001 - 42532006401
42500006801 - 42532007501
42500006802 - 42532007502
42500006001 - 42532006401
42500606201 - 42532007501
42502006602 - 42532007502
42502007002 - 42532007502
42500605802 - 42532006402
42502606801 - 42532008301
42500607402 - 42532007902
42500005802 - 42532006402
42500005801 - 42532006401
42500607002 - 42532007502
42502605802 - 42532007102
42502606402 - 42532007902
42500006601 - 42532007501
42500006801 - 42532007101
42500006002 - 42532007102
42502605601 - 42532006401
42500007002 - 42532007502
42502006002 - 42532007102
42502606002 - 42532007502
42500605602 - 42532006402
42500006001 - 42532007101
42500006402 - 42532007502
42502005602 - 42532006402
42500606802 - 42532007102
42502005601 - 42532006401
42500006002 - 42532007102
42502605601 - 42532006401
42500006601 - 42532006701
42502006001 - 42532007501
42500606001 - 42532006401
42500005601 - 42532006401
42500007002 - 42532007902
42502006401 - 42532007501
42500606001 - 42532007501
42502606202 - 42532006402
42500606002 - 42532006402
42502607402 - 42532008802
42500606002 - 42532007502
42502607401 - 42532008801
42502006801 - 42532007901
42500606601 - 42532008301
42500606201 - 42532007901
42500606202 - 42532007902
42502007002 - 42532007102
42502606202 - 42532007902
42500606602 - 42532008302
42502007001 - 42532007101
42500606801 - 42532007101
42502606201 - 42532006401
42500605602 - 42532007102
42500005602 - 42532006402
42500607402 - 42532008802
42502006402 - 42532006402
42502606201 - 42532007901
42500605601 - 42532007101
42502606601 - 42532008301
42500006401 - 42532006401
42502005802 - 42532007102
42502006802 - 42532007902
42502605402 - 42532006402
42500006402 - 42532006402
42500006802 - 42532007902
42500007002 - 42532007102
42502005801 - 42532007101
42502005601 - 42532006701
42502005602 - 42532006702
42502606602 - 42532006702
42502006401 - 42532006401

42500006801 - 42532007901
42500606202 - 42532006402
42502605602 - 42532007102
42502607001 - 42532007101
42500006002 - 42532007502
42500007001 - 42532007101
42500605402 - 42532006402
42500605402 - 42532006702
42500605801 - 42532007501
42500606201 - 42532006401
42500607001 - 42532008801
42502006201 - 42530006701
42502006201 - 42532007501
42502607001 - 42530007501
42500006202 - 42532007502
42500605401 - 42532006401
42502006202 - 42530006702
42502006202 - 42532007502
42502607001 - 42530007901
42502607002 - 42532008802
42500605802 - 42532007502
42500607002 - 42532007102
42500607401 - 42532008801
42502006001 - 42530006401
42502006401 - 42530006701
42502006402 - 42530006702
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42502606601 - 42532006701
42502606802 - 42530007502
42502806201 - 42530007101
42500005602 - 42532006702
42500005802 - 42532007102
42500606402 - 42532008302
42500607002 - 42532008802
42502005601 - 42532007101
42502605401 - 42532006701
42502605802 - 42532007502
42502606402 - 42532008302
42502606801 - 42530007501
42502806201 - 42530006701
42502806202 - 42530006702
42500005401 - 42532006401
42500005601 - 42532006701
42500006202 - 42530007102
42500605401 - 42532006701
42500606602 - 42532006702
42500607002 - 42530007902
42500607401 - 42530007901
42502005402 - 42532006402
42500006201 - 42530007101
42500006602 - 42532007902
42500007001 - 42532008301
42500606002 - 42532007902
42500606401 - 42532008301
42502005401 - 42532006401
42502006001 - 42532007501
42502006002 - 42530006402
42502006202 - 42530006402
42502006601 - 42530007101
42502006802 - 42530007102
42502206401 - 42530007101
42502606402 - 42530007102
42502607402 - 42530007902
42502805802 - 42530006702
42502806401 - 42530007101
42502806402 - 42530007502
42502806601 - 42530007901
42502806602 - 42530007902
42500005801 - 42530006701
42500005801 - 42532007101
42500006201 - 42532007501
42500006202 - 42530006702
42500006401 - 42530007101
42500006602 - 42532006402
42500605801 - 42530006701
42500606002 - 42530006702
42500606201 - 42530006701
42500606401 - 42532006401
42500606602 - 42530007502
42500606802 - 42530007502
42500607001 - 42530007901
42500607401 - 42530007901
42502005402 - 42532006402
42502006001 - 42530006701
42502006201 - 42530006401
42502006401 - 42532007901
42502006602 - 42530007102
42502007002 - 42530007502
42502007002 - 42532008302
42502206002 - 42530006402
42502206201 - 42530006701
42502606201 - 42530007101
42502606202 - 42530006702
42502606401 - 42532008301
42502607002 - 42530007902
42502607401 - 42532007501
42502607402 - 42532007502
42502806001 - 42530007101
42502806002 - 42530006702
42502806202 - 42532007102
42502806402 - 42530007102
42502806601 - 42530007101
42502806602 - 42530007502
42502806801 - 42530007501
42502806801 - 42530007901
42502806802 - 42530007902
42502807002 - 42530008302
42502807402 - 42530008302
42500005602 - 42530006702
42500006002 - 42532007902
42500006201 - 42530006701
42500006601 - 42530006701
42500006601 - 42530007101
42500006602 - 42530007502
42500007001 - 42530007501
42500007002 - 42530007502
42500605402 - 42532007102
42500605802 - 42530006702
42500606001 - 42530006701
42500606202 - 42530007102
42500606202 - 42530007502
42500606402 - 42530007102
42500606601 - 42532006701
42500606602 - 42530007102
42500606801 - 42530007501
42500606801 - 42530007901
42500606801 - 42532007502

42500606802 - 42530007902
42500607401 - 42530008301
42500607402 - 42530008302
42502005401 - 42532006701
42502005801 - 42532007501
42502006002 - 42530006702
42502006201 - 42530007101
42502006401 - 42530007101
42502006402 - 42530006402
42502006402 - 42532007101
42502006402 - 42532007902
42502006601 - 42530006701
42502006602 - 42532007902
42502006801 - 42530007101
42502006802 - 42532008302
42502007001 - 42532008301
42502206001 - 42530006701
42502206201 - 42530007101
42502206402 - 42530007102
42502206601 - 42530006701
42502206601 - 42530007501
42502206602 - 42532007102
42502207001 - 42530007101
42502605801 - 42530006401
42502605802 - 42532006401
42502606201 - 42530006701
42502606202 - 42532006701
42502606202 - 42532007101
42502606401 - 42530006701
42502606402 - 42530006702
42502606402 - 42530007502
42502606402 - 42532006402
42502606601 - 42530007101
42502606601 - 42530007501
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42502606602 - 42530007502
42502606801 - 42532007502
42502606802 - 42530007102
42502607401 - 42530008301
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42502805802 - 42530007102
42502806001 - 42530006701
42502806201 - 42530007501
42502806201 - 42532007101
42502806402 - 42530007902
42502806601 - 42530007501

42502806801 - 42532007501
42502806802 - 42530007502
42502807001 - 42530007901
42502807002 - 42530007902
42502807401 - 42530007901
42502807401 - 42530008301
42500005402 - 42530006402
42500005402 - 42532007102
42500005601 - 42532007101
42500005602 - 42530006402
42500005801 - 42530006401
42500005801 - 42532007501
42500005802 - 42530006402
42500005802 - 42532007502
42500006002 - 42530006402
42500006002 - 42530006702
42500006201 - 42532006101
42500006201 - 42532006702
42500006402 - 42530006702
42500006402 - 42530007102
42500006402 - 42530007502
42500006601 - 42532006401
42500006601 - 42532007901
42500006602 - 42530007102
42500006602 - 42532007101
42500006801 - 42532006701
42500006802 - 42530007102
42500006802 - 42532008302
42500007001 - 42530007101
42500007002 - 42532008302
42500206002 - 42530006702
42500605401 - 42532007901
42500605601 - 42532007501
42500605602 - 42530006402
42500605602 - 42532007502
42500605802 - 42530007102
42500606001 - 42530006401
42500606001 - 42530007101
42500606002 - 42530006402
42500606002 - 42530007102
42500606201 - 42530007101
42500606201 - 42532007102
42500606201 - 42532008301
42500606402 - 42530007502
42500606402 - 42532006402

42500606402 - 42532007101
42500606601 - 42530007101
42500606601 - 42530007901
42500606602 - 42532007501
42500606801 - 42530008301
42500606801 - 42532008801
42500606802 - 42532008802
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42500607001 - 42532007902
42500607002 - 42530008302
42500607002 - 42532007501
42500607002 - 42532008801
42502005001 - 42532006701
42502005002 - 42530006702
42502005402 - 42532006702
42502005602 - 42530006402
42502005801 - 42532006702
42502006001 - 42532006101
42502006002 - 42532006401
42502006002 - 42532006701
42502006202 - 42532006701
42502006401 - 42530006401
42502006402 - 42532006401
42502006402 - 42532006701
42502006601 - 42532006401
42502006601 - 42532007102
42502006601 - 42532007901
42502006602 - 42530006702
42502006602 - 42532006402
42502006801 - 42532006701
42502006802 - 42532007501
42502007002 - 42532007501
42502205801 - 42530006701
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42502206001 - 42530006401
42502206001 - 42530007101
42502206201 - 42532007101
42502206202 - 42530006702
42502206202 - 42530007102
42502206202 - 42532006702
42502206401 - 42530007501
42502206401 - 42532007101

42502206402 - 42530006702	42502606401 - 42530007101	42502806001 - 42532006701
42502206402 - 42532007102	42502606401 - 42530007501	42502806002 - 42530006402
42502206601 - 42530007901	42502606401 - 42530007901	42502806002 - 42530007102
42502206602 - 42530007502	42502606402 - 42532007101	42502806002 - 42532006702
42502206801 - 42530007101	42502606601 - 42530006701	42502806201 - 42530006401
42502206802 - 42530007902	42502606601 - 42532007902	42502806202 - 42530007102
42502206802 - 42532007102	42502606602 - 42530006702	42502806202 - 42530007502
42502605401 - 42532007101	42502606602 - 42532007101	42502806202 - 42532006702
42502605601 - 42532007501	42502606801 - 42530007901	42502806402 - 42530008302
42502605801 - 42532006702	42502606801 - 42530008301	42502806601 - 42530008301
42502605801 - 42532007901	42502606801 - 42532007902	42502806601 - 42532007101
42502605802 - 42530006402	42502606801 - 42532008801	42502806602 - 42530007102
42502605802 - 42532005802	42502606802 - 42530008302	42502806602 - 42532007902
42502606001 - 42530006401	42502606802 - 42532006702	42502806801 - 42530008301
42502606001 - 42530006701	42502606802 - 42532007501	42502806802 - 42530008302
42502606001 - 42530007101	42502607001 - 42530008301	42502807001 - 42530007501
42502606002 - 42530007102	42502607002 - 42532007501	42502807001 - 42530008301
42502606002 - 42532006102	42502607402 - 42530008302	42502807001 - 42532007501
42502606002 - 42532007101	42502607402 - 42532007901	42502807002 - 42530007102
42502606002 - 42532007902	42502607402 - 42532008301	42502807002 - 42532008302
42502606201 - 42532006702	42502805602 - 42530006402	
42502606201 - 42532008301	42502805801 - 42530006401	
42502606202 - 42530007102	42502805801 - 42530007101	
42502606202 - 42532008302	42502805801 - 42530007501	

Catalog numbers used in the analysis of the Persona/Persona femoral component.

42502606202	42500606402	42500606002
42502606201	42500606602	42500606001
42502606402	42500006401	42500006002
42502607002	42500606802	42502605802
42502607001	42500606801	42502607401
42502606602	42500606401	42502607402
42502606802	42500606201	42502605801
42502606601	42500006402	42500006601
42502606801	42500607002	42500006602
42502006402	42500606601	42500006001
42502006202	42500006202	42500605802
42502606401	42500006201	42500605801
42502006201	42500607001	42502006802
42502006401	42502006002	42502006801
42502606002	42502006602	42500607401
42500606202	42502006001	42500607402
42502606001	42502006601	42502005802

42502007002	42500605401	42502005402
42502005801	42502605401	42502206001
42500006801	42502806202	42502206402
42502007001	42502806601	42502807401
42500006802	42502806402	42502205801
42502605602	42502806401	42502206002
42500005802	42502806602	42502206202
42502605601	42502806801	42502206602
42500005801	42502806802	42502805602
42500605602	42502807002	42502805801
42500605601	42500005402	42502807402
42500007002	42502005401	42502206802
42500007001	42502206201	42502207001
42502005601	42502206401	42500206002
42502005602	42502805802	42502005001
42500005601	42502806001	42502005002
42500005602	42502806002	42502205802
42500605402	42500005401	42502206801
42502605402	42502206601	
42502806201	42502807001	

Catalog numbers used in the analysis of the Persona/Persona tibia component.

42532007102	42532008302	42530007901
42532007101	42532008301	42530007902
42532006702	42530006702	42530006402
42532006701	42530006701	42530006401
42532007502	42530007101	42530008301
42532007501	42532008802	42530008302
42532007901	42530007102	42532006101
42532007902	42532008801	42532005802
42532006402	42530007502	42532006102
42532006401	42530007501	

Catalog numbers used in the analysis of the Scorpio/Series 7000 combination.

704107R - 71150007	704109L - 71150007	714509L - 71150009
704107L - 71150007	704107L - 71150005	713009R - 71150007
704109L - 71150009	713011R - 71150009	704105L - 71150005
704109R - 71150009	704109R - 71150007	704111L - 71150009
704111R - 71150011	704107R - 71150005	704113R - 71150013
704111L - 71150011	713011L - 71150009	713009L - 71150007

714509R - 71150009	704111R - 71150009	704105L - 71150003
704111R - 71150013	714509L - 71150007	704107R - 71150004
713009L - 71150009	714511L - 71150011	704113L - 71150011
714507R - 71150007	704105L - 71150007	704113R - 71150011
704109L - 71150011	704111L - 71150013	713005L - 71150005
704109R - 71150011	713007R - 71150005	713007L - 71150005
704113L - 71150013	713007R - 71150007	714505L - 71150006
713007L - 71150007	704105R - 71150007	714507L - 71150007
713009R - 71150009	713011R - 71150011	714507R - 71150006
713011L - 71150011	714505L - 71150005	714511R - 71150009
704105R - 71150005	714509R - 71150007	
704107L - 71150009	714511L - 71150009	
704107R - 71150009	714511R - 71150011	

Catalog numbers used in the analysis of the Scorpio/Series 7000 femoral component.

704107R	713009R	713007R
704107L	714509L	714511L
704109L	704105L	714505L
704109R	714509R	714511R
704111R	704113R	713005L
704111L	714507R	714507L
713011L	704105R	
713011R	704113L	
713009L	713007L	

Catalog numbers used in the analysis of the Scorpio/Series 7000 tibia component.

71150007	71150005	71150003
71150009	71150013	71150004
71150011	71150006	

Catalog numbers used in the analysis of the Sigma/M.B.T combination.

196040300 - 129433130	196040400 - 129433140	196040300 - 129433125
196050300 - 129433130	196050300 - 129433125	196040500 - 129433140
196050400 - 129433140	196050250 - 129433125	196050300 - 129433140
196050500 - 129433150	196050500 - 129433140	196040300 - 129433140
196050450 - 129433130	196040250 - 129433125	196050400 - 129433150
196040500 - 129433150	196040450 - 129433130	196040400 - 129433150

196040450 - 129433140	940015 - 129434150	196040300 - 129433150
196050250 - 129433130	940029 - 129434130	196040400 - 129435140
196050450 - 129433140	196030450 - 129433140	196040450 - 129431130
196040200 - 129433125	196040150 - 129433120	196040450 - 129433125
196040250 - 129433120	196040200 - 129433130	196040450 - 129435130
196040250 - 129433130	196040300 - 129435125	196040500 - 129435140
196050200 - 129433120	196040300 - 129435130	196040600 - 129433140
196050200 - 129433125	196040300 - 129435140	196050150 - 129433120
196050250 - 129433120	196040400 - 129435130	196050200 - 129433110
940023 - 129434130	196040400 - 129435150	196050200 - 129435125
196040600 - 129433150	196040500 - 129435150	196050250 - 129433140
196040600 - 129433160	196040600 - 129435150	196050250 - 129435120
196040200 - 129433120	196050150 - 129433115	196050250 - 129435125
196050400 - 129433130	196050400 - 129435130	196050300 - 129433150
196050500 - 129433160	196050400 - 129435140	196050300 - 129435140
940013 - 129434130	196050450 - 129433125	196050450 - 129435125
940019 - 129434130	196050450 - 129435140	196050500 - 129435150
196050200 - 129433130	196050600 - 129435150	196050600 - 129433140
196050300 - 129435125	940014 - 129434140	196050600 - 129433170
196050300 - 129435130	940018 - 129434130	940012 - 129434120
196050600 - 129433150	940023 - 129434125	940014 - 129434130
196050600 - 129433160	940025 - 129434150	940014 - 129434150
940018 - 129434125	196020400 - 129433140	940019 - 129434140
940029 - 129434140	196020450 - 129433140	940022 - 129434120
196040250 - 129435125	196030400 - 129433140	940023 - 129434120
196040400 - 129433130	196040200 - 129433115	940023 - 129434140
196040500 - 129433160	196040250 - 129435115	940024 - 129434140
196050200 - 129435120	196040250 - 129435120	940025 - 129434130
940013 - 129434125	196040250 - 129435130	940028 - 129434125
940015 - 129434140	196040300 - 129433120	

Catalog numbers used in the analysis of the Sigma/M.B.T femoral component.

196050300	196040200	940025
196040300	196040600	196030450
196050500	196050600	196040150
196050400	940023	196020400
196040500	940013	196020450
196040400	940029	196030400
196050450	940015	940012
196050250	940018	940022
196040250	940019	940024
196040450	940014	940028
196050200	196050150	

Catalog numbers used in the analysis of the Sigma/M.B.T tibia component.

129433130	129435125	129434120
129433140	129435130	129431130
129433125	129434125	129433110
129433150	129435140	129433110
129433120	129435150	129433170
129434130	129434150	129435115
129433160	129435120	
129434140	129433115	

Catalog numbers used in the analysis of the Sigma/Sigma combination.

196050450 - 158130000	196073500 - 158125000	196030500 - 158160000
196040450 - 158130000	196030400 - 158140000	196040200 - 158120000
196050300 - 158130000	196075500 - 158140000	196040600 - 158160000
196040300 - 158130000	196030450 - 158130000	196063500 - 158130000
196050300 - 158125000	196040450 - 158140000	196064500 - 158140000
196050500 - 158140000	196050250 - 158130000	196074500 - 158140000
196040500 - 158140000	196079500 - 158130000	196078500 - 158125000
196020500 - 158150000	196020250 - 158130000	940015 - 158140000
196050500 - 158150000	196030400 - 158150000	196020500 - 158160000
196040300 - 158125000	196040250 - 158120000	196040300 - 158140000
196030500 - 158150000	196050250 - 158120000	196040400 - 158150000
196040400 - 158140000	196063500 - 158125000	196050200 - 158120000
196050400 - 158140000	196065500 - 158140000	196050300 - 158120000
196040500 - 158150000	196020500 - 158140000	196064500 - 158130000
196020300 - 158130000	196040250 - 158130000	196066500 - 158150000
196030300 - 158130000	196050450 - 158140000	196068500 - 158120000
196040400 - 158130000	196069500 - 158130000	940013 - 158125000
196050400 - 158130000	196074500 - 158130000	940014 - 158140000
196050250 - 158125000	940023 - 158125000	196020200 - 158125000
196040250 - 158125000	196020300 - 158140000	196020600 - 158160000
196050600 - 158150000	196030200 - 158125000	196030200 - 158120000
196030450 - 158140000	196040200 - 158125000	196030600 - 158160000
196020450 - 158140000	196040300 - 158120000	196050200 - 158125000
196020250 - 158125000	196050300 - 158140000	196050200 - 158130000
196020450 - 158130000	196050400 - 158150000	196065500 - 158150000
196030250 - 158125000	196068500 - 158125000	196072500 - 158115000
196020400 - 158140000	940025 - 158140000	196073500 - 158120000
196030250 - 158130000	196020400 - 158150000	196073500 - 158130000
196040600 - 158150000	196030300 - 158140000	196076500 - 158150000

940014 - 158130000	196040500 - 158115000	196075500 - 158150000
940019 - 158130000	196040500 - 158160000	196078500 - 158120000
940024 - 158130000	196040600 - 158140000	940013 - 158130000
940029 - 158130000	196050450 - 158125000	940023 - 158130000
196020250 - 158120000	196050500 - 158130000	940024 - 158140000
196020600 - 158150000	196050600 - 158160000	940028 - 158120000
196030450 - 158150000	196062500 - 158120000	
196030500 - 158140000	196062500 - 158125000	
196040200 - 158130000	196072500 - 158120000	

Catalog numbers used in the analysis of the Sigma/Sigma femoral component.

196050300	196050600	940014
196040300	196030400	940025
196050500	196040600	940013
196050450	196020400	940015
196040500	196073500	196020600
196040450	196075500	196066500
196040400	196063500	196072500
196050400	196040200	940024
196020500	196065500	940024
196030500	196074500	196020200
196050250	196079500	196030600
196040250	196068500	196062500
196020300	196030200	196076500
196030300	196050200	940019
196020450	196064500	940029
196030450	940023	940028
196030250	196069500	
196020250	196078500	

Catalog numbers used in the analysis of the Sigma/Sigma tibia component.

158130000	158150000	158115000
158140000	158120000	
158125000	158160000	

Catalog numbers used in the analysis of the Sigma PFC/Sigma combination.

960013 - 158130000	960018 - 158120000	960014 - 158150000
960003 - 158130000	960008 - 158120000	960006 - 158160000
960004 - 158140000	960016 - 158150000	960013 - 158140000
960013 - 158125000	960006 - 158150000	960005 - 158160000
960014 - 158140000	960012 - 158120000	960015 - 158160000
960003 - 158125000	960018 - 158130000	196001400 - 158125000
960015 - 158140000	960002 - 158120000	960002 - 158125000
960005 - 158140000	960003 - 158140000	196000400 - 158125000
196001400 - 158130000	196001400 - 158140000	196000400 - 158120000
196000400 - 158130000	960013 - 158120000	960006 - 158140000
960008 - 158125000	960008 - 158130000	960012 - 158115000
960018 - 158125000	196000400 - 158140000	960012 - 158130000
960005 - 158150000	960004 - 158150000	960015 - 158120000
960015 - 158150000	960016 - 158160000	960015 - 158130000
960004 - 158130000	960012 - 158125000	960017 - 158115000
960014 - 158130000	960003 - 158120000	

Catalog numbers used in the analysis of the Sigma PFC/Sigma femoral component.

960013	960008	960012
960003	196001400	960002
960004	960018	960017
960005	196000400	
960015	960016	
960014	960006	

Catalog numbers used in the analysis of the Sigma PFC/Sigma tibia component.

158130000	158150000	158115000
158140000	158120000	
158125000	158160000	

Catalog numbers used in the analysis of the Triathlon/Triathlon combination.

5510F402 - 5520B400	5510F601 - 5520B600	5510F402 - 5520B300
5510F401 - 5520B400	5510F602 - 5520B600	5510F501 - 5520B400
5510F502 - 5520B500	5510F702 - 5520B700	5510F401 - 5520B300
5510F302 - 5520B300	5510F701 - 5520B700	5517F401 - 5536B400
5510F501 - 5520B500	5510F502 - 5520B400	5515F402 - 5520B400
5510F301 - 5520B300	5517F402 - 5536B400	5515F401 - 5520B400

5517F501 - 5536B500
5510F501 - 5520B600
5510F502 - 5520B600
5517F502 - 5536B500
5510F401 - 5520B500
5515F502 - 5520B500
5510F402 - 5520B500
5517F602 - 5536B600
5517F301 - 5536B300
5517F302 - 5536B300
5510F602 - 5520B500
5510F601 - 5520B500
5510F302 - 5520B400
5517F601 - 5536B600
5516F402 - 5536B400
5515F501 - 5520B500
5510F201 - 5520B200
5510F202 - 5520B200
5516F502 - 5536B500
5510F301 - 5520B400
5516F401 - 5536B400
5510F702 - 5520B600
5515F602 - 5520B600
5515F301 - 5520B300
5510F701 - 5520B600
5517F701 - 5536B700
5517F702 - 5536B700
5510F602 - 5520B700
5515F302 - 5520B300
5515F502 - 5520B400
5515F601 - 5520B600
5510F601 - 5520B700
5516F302 - 5536B300
5516F501 - 5536B500
5515F701 - 5520B700
5515F702 - 5520B700
5516F301 - 5536B300
5515F402 - 5520B300
5515F501 - 5520B400
5517F402 - 5536B500
5510F301 - 5520B200
5517F502 - 5536B600
5515F401 - 5520B300
5517F401 - 5536B500
5510F302 - 5520B200
5510F801 - 5520B800
5516F601 - 5536B600
5517F401 - 5536B300
5516F401 - 5536B300
5516F602 - 5536B600
5510F802 - 5520B800
5517F501 - 5536B600
5516F402 - 5536B300
5510F201 - 5520B300
5517F402 - 5536B300
5515F601 - 5520B500
5516F502 - 5536B400
5517F502 - 5536B400
5517F302 - 5536B400
5515F602 - 5520B500
5510F702 - 5520B800
5510F802 - 5520B700
5516F702 - 5536B600
5510F801 - 5520B700
5515F701 - 5520B600
5517F301 - 5536B400
5515F702 - 5520B600
5510F202 - 5520B300
5516F702 - 5536B700
5515F401 - 5520B500
5516F602 - 5536B500
5517F601 - 5536B700
5517F602 - 5536B700
5515F502 - 5520B600
5517F601 - 5536B500
5516F601 - 5536B500
5516F701 - 5536B700
5515F402 - 5520B500
5516F402 - 5536B500
5517F501 - 5536B400
5517F702 - 5536B600
5510F701 - 5520B800
5517F602 - 5536B500
5516F701 - 5536B600
5515F501 - 5520B600
5517F201 - 5536B200
5515F301 - 5520B400
5516F502 - 5536B600
5515F602 - 5520B700
5516F201 - 5536B200
5516F301 - 5536B200
5517F202 - 5536B300
5516F302 - 5536B400
5510F602 - 5534A609
5516F501 - 5536B600
5516F401 - 5536B500
5515F302 - 5520B200
5515F302 - 5520B400
5515F202 - 5520B200
5515F801 - 5520B700
5515F802 - 5520B800
5517F302 - 5536B200
5517F701 - 5536B600
5510F601 - 5534A609
5517F201 - 5536B300
5510F401 - 5534A409
5510F502 - 5534A509
5515F301 - 5520B200
5517F801 - 5536B700
5517F302 - 5527B400
5517F801 - 5536B800
5516F801 - 5536B700
5517F402 - 5527B500
5510F501 - 5534A509
5515F801 - 5520B800
5516F201 - 5536B300
5517F301 - 5527B400
5517F702 - 5536B800
5510F402 - 5534A409
5516F602 - 5536B700
5517F301 - 5536B200
5510F202 - 5520B100
5517F401 - 5527B500
5517F501 - 5520B500
5516F202 - 5536B300
5517F502 - 5527B600
5517F602 - 5527B700

5510F702 - 5534A609
5516F601 - 5536B700
5510F102 - 5520B100
5510F701 - 5534A609
5517F302 - 5520B300
5517F802 - 5536B700
5515F702 - 5520B800
5517F301 - 5520B300
5517F501 - 5526B500
5517F501 - 5526B600
5517F502 - 5526B500
5517F602 - 5526B600
5510F102 - 5520B200
5510F201 - 5520B100
5510F302 - 5534A309
5515F201 - 5520B300
5516F202 - 5536B100
5517F601 - 5527B700
5515F202 - 5520B300
5515F701 - 5520B800
5516F802 - 5536B700
5517F602 - 5520B600
5517F402 - 5520B400
5517F402 - 5526B400
5517F501 - 5527B600
5517F601 - 5526B600
5517F701 - 5527B800
5517F701 - 5536B800
5517F702 - 5526B700
5517F702 - 5527B800
5510F101 - 5520B100
5510F101 - 5520B200
5510F402 - 5536B400
5510F501 - 5534A409
5510F801 - 5534A809
5515F201 - 5520B100
5516F102 - 5536B100
5516F102 - 5536B200
5516F802 - 5536B800
5517F301 - 5526B300
5517F302 - 5527B300
5517F401 - 5520B400
5517F401 - 5526B400
5517F502 - 5526B600
5510F401 - 5536B400
5510F601 - 5534A509

5516F801 - 5536B800
5517F202 - 5520B200
5517F301 - 5527B300
5517F401 - 5527B400
5517F402 - 5520B300
5517F501 - 5520B600
5517F502 - 5520B500
5517F601 - 5520B600
5517F701 - 5520B700
5510F402 - 5534A309
5510F502 - 5534A409
5510F502 - 5534A609
5510F602 - 5534A509
5510F801 - 5534A709
5515F402 - 5536B300
5515F602 - 5536B600
5515F701 - 5535A709
5516F701 - 5536B800
5517F202 - 5536B100
5517F501 - 5527B500
5517F502 - 5520B600
5517F502 - 5526B400
5517F502 - 5536B700
5517F602 - 5526B700
5517F701 - 5526B700
5517F702 - 5520B700
5510F302 - 5520B500
5510F402 - 5520B600
5510F402 - 5536B500
5515F301 - 5536B300
5515F302 - 5536B300
5515F402 - 5536B400
5515F702 - 5535A709
5516F101 - 5536B100
5516F702 - 5536B800
5517F401 - 5520B500
5517F502 - 5527B500
5517F601 - 5526B700
5517F602 - 5526B500
5517F702 - 5527B700
5510F301 - 5534A309
5510F302 - 5536B300
5510F401 - 5534A309
5510F502 - 5520B700
5510F602 - 5534A611
5510F702 - 5534A809

5510F802 - 5534A709
5515F202 - 5520B100
5515F502 - 5536B400
5515F502 - 5536B600
5515F702 - 5536B700
5516F201 - 5536B100
5517F101 - 5536B100
5517F102 - 5536B100
5517F201 - 5520B200
5517F201 - 5527B300
5517F202 - 5527B300
5517F301 - 5520B200
5517F302 - 5526B300
5517F401 - 5520B300
5517F401 - 5526B300
5517F401 - 5526B500
5517F401 - 5536B600
5517F402 - 5527B400
5517F402 - 5536B600
5517F801 - 5527B800
5510F201 - 5536B200
5510F301 - 5536B300
5510F401 - 5536B500
5510F601 - 5520B400
5510F601 - 5534A611
5510F601 - 5534A709
5510F701 - 5534A809
5510F702 - 5536B700
5510F802 - 5534A809
5515F102 - 5520B100
5515F202 - 5536B200
5515F302 - 5536B400
5515F401 - 5536B300
5515F401 - 5536B400
5515F401 - 5536B500
5515F402 - 5536B500
5515F501 - 5527B600
5515F501 - 5536B400
5515F501 - 5536B500
5515F602 - 5535A609
5515F702 - 5536B600
5516F101 - 5536B200
5516F301 - 5527B400
5516F302 - 5520B400
5516F402 - 5520B300

5516F501 - 5520B500
5516F501 - 5526B500
5516F602 - 5526B500
5517F101 - 5527B200
5517F101 - 5536B200
5517F201 - 5520B300
5517F202 - 5520B300
5517F302 - 5526B400
5517F302 - 5536B500
5517F402 - 5526B500
5517F501 - 5520B400
5517F501 - 5526B400
5517F601 - 5520B700
5517F601 - 5526B500
5517F701 - 5520B600
5517F701 - 5526B600
5517F701 - 5527B700
5517F702 - 5526B600
5517F802 - 5527B800
5510F102 - 5520B300
5510F102 - 5520B500
5510F201 - 5520B400
5510F201 - 5534A209
5510F201 - 5536B100
5510F201 - 5536B300
5510F202 - 5520B400
5510F202 - 5520M200
5510F202 - 5536B300
5510F301 - 5520B600
5510F301 - 5526B300
5510F301 - 5534A209
5510F301 - 5536B400
5510F302 - 5520B100
5510F302 - 5520B600
5510F302 - 5526B200
5510F302 - 5534A209
5510F302 - 5536B400
5510F401 - 5534A509
5510F402 - 5520B200
5510F402 - 5534A509
5510F402 - 5536B300
5510F501 - 5520B200
5510F501 - 5520B700
5510F501 - 5526B500
5510F501 - 5534A416
5510F501 - 5534A609

5510F502 - 5520B300
5510F502 - 5536B400
5510F502 - 5536B600
5510F601 - 5536B700
5510F602 - 5520B400
5510F602 - 5534A511
5510F602 - 5536B700
5510F602 - 5536B800
5510F701 - 5520B300
5510F701 - 5534A611
5510F701 - 5534A716
5510F701 - 5536B600
5510F702 - 5520B500
5510F801 - 5534A811
5510F801 - 5536B800
5510F802 - 5536B800
5514F501 - 5520B600
5514F502 - 5536B500
5514F602 - 5536B600
5515F101 - 5527B200
5515F201 - 5536B200
5515F202 - 5527B300
5515F302 - 5536B200
5515F401 - 5535A409
5515F401 - 5535A509
5515F402 - 5520B200
5515F501 - 5535A509
5515F502 - 5524B400
5515F502 - 5536B500
5515F601 - 5535A609
5515F601 - 5535A709
5515F601 - 5536B600
5515F602 - 5520B400
5515F602 - 5527B700
5515F602 - 5536B500
5515F602 - 5536B700
5515F701 - 5527B700
5515F701 - 5535A609
5515F701 - 5536B600
5515F701 - 5536B700
5515F702 - 5520B400
5515F702 - 5527B800
5515F702 - 5535A609
5515F702 - 5535A611
5515F802 - 5536B700
5516F102 - 5520B200

5516F202 - 5526B200
5516F202 - 5527B300
5516F301 - 5520B400
5516F301 - 5526B200
5516F301 - 5526B300
5516F302 - 5536B500
5516F401 - 5520B500
5516F401 - 5526B400
5516F401 - 5527B500
5516F402 - 5520B400
5516F402 - 5526B400
5516F402 - 5526B500
5516F402 - 5527B400
5516F402 - 5527B500
5516F501 - 5520B400
5516F501 - 5527B500
5516F601 - 5520B500
5516F601 - 5526B500
5516F601 - 5527B600
5516F602 - 5527B600
5516F602 - 5527B700
5516F602 - 5536B400
5516F802 - 5527B800
5516F802 - 5536B600
5517F101 - 5520B100
5517F102 - 5536B200
5517F201 - 5526B300
5517F201 - 5527B200
5517F201 - 5536B100
5517F202 - 5536B400
5517F301 - 5526B200
5517F301 - 5534A413
5517F302 - 5520B400
5517F302 - 5536B100
5517F401 - 5527B300
5517F401 - 5536B700
5517F402 - 5520B500
5517F502 - 5520B400
5517F601 - 5527B600
5517F601 - 5536B800
5517F701 - 5536B500
5517F702 - 5520B600
5517F801 - 5536B600
5517F802 - 5526B700
5517F802 - 5536B300

Catalog numbers used in the analysis of the Triathlon/Triathlon femoral component.

5510F402	5516F401	5516F202
5510F401	5515F602	5516F201
5510F502	5516F502	5515F802
5510F501	5510F201	5515F201
5510F302	5510F202	5517F802
5510F601	5515F601	5517F801
5510F602	5517F702	5515F801
5510F301	5516F501	5515F202
5510F702	5515F301	5516F801
5510F701	5517F701	5510F102
5517F402	5515F302	5516F802
5517F401	5515F702	5516F102
5515F402	5515F701	5510F101
5517F501	5516F301	5517F101
5517F502	5516F302	5516F101
5515F401	5510F801	5517F102
5515F502	5516F602	5515F102
5517F602	5516F601	5514F501
5517F302	5510F802	5514F502
5517F301	5516F702	5514F602
5517F601	5516F701	5515F101
5515F501	5517F202	
5516F402	5517F201	

Catalog numbers used in the analysis of the Triathlon/Triathlon tibia component.

5520B400	5534A509	5534A611
5520B500	5527B400	5535A609
5520B300	5534A409	5526B200
5520B600	5527B500	5527B200
5520B700	5526B600	5534A209
5536B400	5526B500	5535A509
5536B500	5536B100	5520M200
5536B300	5527B700	5524B400
5536B600	5527B600	5534A413
5520B200	5526B400	5534A416
5536B700	5526B700	5534A511
5520B800	5527B800	5534A716
5536B200	5527B300	5534A811
5536B800	5534A309	5535A409
5534A609	5526B300	5535A611
5534A709	5534A809	
5520B100	5535A709	

Catalog numbers used in the analysis of the Triathlon/Triathlon TS combination.

5515F402 - 5521B400	5510F601 - 5521B600	5515F801 - 5521B700
5515F401 - 5521B400	5510F602 - 5521B600	5510F202 - 5521B200
5515F302 - 5521B300	5515F702 - 5521B700	5510F702 - 5521B600
5515F301 - 5521B300	5510F401 - 5521B300	5515F802 - 5521B700
5510F402 - 5521B400	5515F601 - 5521B500	5510F701 - 5521B600
5515F502 - 5521B500	5515F702 - 5521B600	5510F301 - 5521B200
5515F501 - 5521B500	5510F502 - 5521B400	5510F301 - 5521B400
5510F401 - 5521B400	5515F701 - 5521B600	5510F501 - 5521B600
5515F401 - 5521B300	5515F701 - 5521B700	5515F302 - 5521B400
5515F402 - 5521B300	5510F501 - 5521B400	5510F302 - 5521B400
5515F502 - 5521B400	5515F302 - 5521B200	5510F401 - 5521B500
5515F501 - 5521B400	5515F301 - 5521B200	5510F502 - 5521B600
5510F301 - 5521B300	5515F202 - 5521B200	5515F801 - 5521B800
5515F602 - 5521B600	5515F201 - 5521B200	5515F802 - 5521B800
5510F302 - 5521B300	5510F702 - 5521B700	5515F501 - 5521B600
5515F601 - 5521B600	5510F302 - 5521B200	5515F301 - 5521B400
5510F502 - 5521B500	5510F602 - 5521B500	5510F402 - 5521B500
5510F501 - 5521B500	5510F701 - 5521B700	5515F402 - 5521B500
5510F402 - 5521B300	5510F201 - 5521B200	5515F401 - 5521B500
5515F602 - 5521B500	5510F601 - 5521B500	5515F502 - 5521B600

5515F601 - 5521B700	5510F401 - 5521B200	5515F401 - 5521B700
5510F201 - 5521B300	5510F601 - 5521B400	5515F402 - 5521B200
5510F802 - 5521B700	5510F702 - 5521B500	5515F501 - 5521B700
5510F202 - 5521B300	5515F101 - 5521B200	5515F502 - 5521B700
5515F202 - 5521B300	5515F302 - 5521B500	5515F601 - 5521B200
5510F801 - 5521B700	5515F502 - 5521B300	5515F602 - 5521B200
5515F602 - 5521B700	5515F601 - 5521B800	5515F602 - 5521B400
5510F601 - 5521B700	5516F401 - 5521B400	5515F602 - 5521B800
5515F201 - 5521B300	5510F502 - 5521B300	5515F701 - 5521B500
5510F802 - 5521B800	5510F701 - 5521B500	5515F702 - 5521B500
5515F201 - 5521B100	5515F201 - 5521B400	5515F801 - 5521B600
5510F801 - 5521B800	5515F301 - 5521B500	5516F101 - 5521B200
5510F602 - 5521B700	5515F402 - 5521B600	5516F202 - 5521B100
5515F102 - 5521B100	5515F501 - 5521B300	5516F202 - 5521B200
5515F202 - 5521B100	5515F502 - 5521B800	5516F401 - 5521B300
5515F701 - 5521B800	5516F402 - 5521B400	5516F501 - 5521B600
5510F102 - 5521B100	5516F501 - 5521B400	5516F502 - 5521B600
5510F202 - 5521B100	5516F501 - 5521B500	5516F701 - 5521B600
5515F101 - 5521B100	5516F502 - 5521B400	5516F702 - 5521B700
5510F101 - 5521B100	5517F301 - 5521B400	5516F801 - 5521B700
5515F702 - 5521B800	5517F401 - 5521B400	5517F201 - 5521B200
5510F701 - 5521B800	5517F501 - 5521B500	5517F302 - 5521B200
5510F702 - 5521B800	5510F201 - 5521B400	5517F302 - 5521B300
5510F201 - 5521B100	5510F302 - 5521B500	5517F402 - 5521B300
5510F102 - 5521B200	5510F302 - 5521B600	5517F502 - 5521B500
5510F602 - 5521B400	5510F501 - 5521B200	5517F602 - 5521B600
5515F102 - 5521B200	5510F802 - 5521B600	5517F602 - 5521B700
5510F101 - 5521B200	5514F401 - 5521B300	5517F701 - 5521B600
5516F302 - 5521B300	5515F102 - 5521B300	5517F702 - 5521B600
5510F402 - 5521B200	5515F202 - 5521B400	5517F802 - 5521B800
5510F501 - 5521B300	5515F302 - 5521B600	
5510F801 - 5521B600	5515F401 - 5521B200	
5516F301 - 5521B300	5515F401 - 5521B600	

Catalog numbers used in the analysis of the Triathlon/Triathlon TS femoral component.

5515F402	5515F602	5510F601
5515F401	5515F601	5510F602
5515F502	5510F502	5510F702
5515F501	5510F501	5510F701
5510F402	5510F302	5515F202
5515F302	5510F301	5515F201
5515F301	5515F702	5515F801
5510F401	5515F701	5515F802

5510F201	5516F401	5516F701
5510F202	5516F502	5516F702
5510F802	5516F202	5516F801
5510F801	5516F402	5517F201
5515F102	5517F301	5517F402
5510F102	5517F302	5517F502
5510F101	5517F401	5517F701
5515F101	5517F501	5517F702
5516F302	5517F602	5517F802
5516F501	5514F401	
5516F301	5516F101	

Catalog numbers used in the analysis of the Triathlon/Triathlon TS tibia component.

5521B400	5521B600	5521B800
5521B300	5521B200	5521B100
5521B500	5521B700	

Catalog numbers used in the analysis of the Vanguard/Maxim combination.

183008 - 141233	183128 - 141234	183110 - 141235
183028 - 141233	183013 - 141235	183024 - 141233
183006 - 141233	183108 - 141233	183006 - 141222
183026 - 141233	183030 - 141235	183012 - 141236
183026 - 141232	183104 - 141232	183104 - 141233
183006 - 141232	183008 - 141232	183006 - 141223
183004 - 141232	183108 - 141234	183026 - 141222
183010 - 141234	183008 - 141223	183130 - 141235
183024 - 141232	183028 - 141232	183130 - 141233
183030 - 141234	183130 - 141234	183110 - 141233
183032 - 141235	183013 - 141236	183010 - 141224
183028 - 141234	183004 - 141233	183124 - 141233
183008 - 141234	183124 - 141232	183032 - 141225
183012 - 141235	183028 - 141223	183022 - 141232
183010 - 141233	183126 - 141232	183026 - 141223
183106 - 141233	183132 - 141235	183030 - 141224
183033 - 141235	183106 - 141232	183006 - 141234
183128 - 141233	183110 - 141234	183002 - 141232
183030 - 141233	183010 - 141235	183034 - 141236
183126 - 141233	183112 - 141235	183032 - 141236
183012 - 141234	183014 - 141236	183113 - 141235
183032 - 141234	183033 - 141236	183014 - 141235

183026 - 141234	183008 - 141222	183120 - 141231
183012 - 141225	183072 - 141235	183124 - 141222
183004 - 141231	183010 - 141225	183126 - 141223
183004 - 141222	183033 - 141225	183068 - 141234
183024 - 141231	183034 - 141237	183100 - 141231
183034 - 141235	183044 - 141232	183104 - 141222
183132 - 141236	183050 - 141234	183110 - 141224
183133 - 141236	183128 - 141235	183132 - 141225
183030 - 141223	183006 - 141231	183010 - 141236
183102 - 141232	183028 - 141224	183014 - 141225
183013 - 141234	183008 - 141235	183034 - 141225
183112 - 141234	183028 - 141235	183106 - 141223
183133 - 141235	183066 - 141233	183108 - 141224
183113 - 141236	183073 - 141235	183112 - 141225
183114 - 141236	183102 - 141231	183130 - 141224
183112 - 141236	183072 - 141234	183132 - 141224
183108 - 141232	183112 - 141233	183133 - 141234
183132 - 141234	183128 - 141223	183050 - 141235
183128 - 141232	183014 - 141237	183052 - 141233
183032 - 141233	183030 - 141232	183104 - 141231
183122 - 141232	183046 - 141232	183130 - 141223
183024 - 141222	183110 - 141236	183004 - 141221
183050 - 141233	183008 - 141224	183048 - 141273
183012 - 141224	183026 - 141231	183130 - 141236
183048 - 141233	183052 - 141234	183133 - 141226
183106 - 141234	183114 - 141235	183036 - 141236
183122 - 141231	183124 - 141231	183053 - 141234
183010 - 141223	183070 - 141234	183054 - 141235
183012 - 141233	183126 - 141222	183070 - 141235
183068 - 141233	183046 - 141233	183073 - 141234
183033 - 141234	183106 - 141222	183074 - 141235
183013 - 141225	183000 - 141231	183128 - 141224
183070 - 141233	183066 - 141232	183013 - 141237
183032 - 141224	183068 - 141232	183133 - 141237
183126 - 141234	183114 - 141237	183002 - 141233
183002 - 141231	183053 - 141235	183032 - 141226
183022 - 141231	183020 - 141231	183070 - 141275
183134 - 141236	183048 - 141232	183110 - 141223
183028 - 141222	183064 - 141232	183114 - 141226
183033 - 141226	183113 - 141234	183132 - 141233
183014 - 141226	183134 - 141235	183073 - 141236
183108 - 141235	183010 - 141232	183110 - 141225
183013 - 141226	183030 - 141225	183110 - 141232
183034 - 141226	183030 - 141236	183112 - 141226
183052 - 141235	183048 - 141234	183133 - 141225
183108 - 141223	183134 - 141237	183212 - 141235

183230 - 141234	183208 - 141232	183073 - 141276
183004 - 141223	183208 - 141233	183102 - 141221
183014 - 141234	183012 - 141226	183104 - 141221
183016 - 141236	183036 - 141227	183120 - 141232
183068 - 141273	183044 - 141231	183122 - 141222
183074 - 141236	183046 - 141273	183122 - 141233
183112 - 141224	183054 - 141236	183126 - 141231
183113 - 141225	183064 - 141231	183132 - 141223
183130 - 141232	183070 - 141274	183132 - 141226
183210 - 141234	183106 - 141224	183214 - 141236
183228 - 141233	183106 - 141231	183226 - 141232
183020 - 141232	183134 - 141225	183228 - 141232
183033 - 141237	183134 - 141226	183232 - 141234
183034 - 141227	183230 - 141233	183232 - 141235
183050 - 141274	183233 - 141235	183233 - 141234
183053 - 141236	183002 - 141222	183006 - 141235
183100 - 141232	183012 - 141237	183008 - 141236
183102 - 141233	183013 - 141224	183048 - 141235
183108 - 141222	183016 - 141235	183048 - 141274
183130 - 141225	183016 - 141238	183052 - 141276
183000 - 141232	183020 - 141230	183062 - 141272
183016 - 141237	183032 - 141223	183066 - 141234
183024 - 141234	183044 - 141273	183068 - 141235
183032 - 141237	183050 - 141275	183072 - 141274
183033 - 141224	183052 - 141236	183100 - 141230
183064 - 141233	183052 - 141275	183104 - 141234
183066 - 141273	183062 - 141232	183112 - 141237
183113 - 141226	183066 - 141272	183113 - 141224
183116 - 141236	183068 - 141272	183114 - 141234
183136 - 141236	183104 - 141223	183132 - 141237
183206 - 141232	183108 - 141236	183136 - 141235
183210 - 141233	183116 - 141237	183136 - 141237
183012 - 141223	183124 - 141234	183212 - 141234
183013 - 141233	183133 - 141224	183213 - 141236
183022 - 141233	183206 - 141233	183224 - 141232
183024 - 141221	183002 - 141221	183000 - 141230
183034 - 141234	183004 - 141234	183008 - 141225
183036 - 141237	183006 - 141221	183008 - 141231
183044 - 141233	183006 - 141224	183012 - 141232
183046 - 141272	183014 - 141227	183016 - 141227
183050 - 141232	183016 - 141226	183022 - 141221
183068 - 141274	183024 - 141223	183022 - 141222
183072 - 141233	183042 - 141232	183022 - 141230
183072 - 141236	183064 - 141272	183026 - 141224
183113 - 141237	183070 - 141232	183026 - 141235
183128 - 141222	183072 - 141275	183028 - 141225

183028 - 141231	183102 - 141222	183108 - 141231
183036 - 141235	183113 - 141227	183110 - 141226
183044 - 141272	183114 - 141238	183114 - 141225
183050 - 141273	183120 - 141230	183116 - 141227
183052 - 141274	183122 - 141221	183116 - 141238
183053 - 141275	183128 - 141225	183120 - 141221
183053 - 141276	183130 - 141237	183126 - 141235
183062 - 141231	183133 - 141227	183128 - 141231
183070 - 141273	183206 - 141231	183128 - 141236
183106 - 141235	183210 - 141224	183130 - 141222
183112 - 141223	183224 - 141231	183132 - 141222
183113 - 141233	183228 - 141234	183134 - 141234
183114 - 141227	183230 - 141232	183204 - 141233
183116 - 141226	183233 - 141236	183208 - 141223
183124 - 141221	183004 - 141235	183210 - 141223
183124 - 141223	183010 - 141222	183210 - 141232
183126 - 141224	183010 - 141226	183214 - 141225
183133 - 141233	183016 - 141234	183226 - 141231
183208 - 141234	183024 - 141230	183232 - 141224
183213 - 141234	183028 - 141236	183233 - 141225
183213 - 141235	183030 - 141222	183234 - 141225
183226 - 141233	183030 - 141226	183234 - 141235
183230 - 141235	183033 - 141227	183000 - 141270
183234 - 141236	183033 - 141233	183004 - 141230
183000 - 141221	183036 - 141225	183006 - 141273
183002 - 141230	183042 - 141231	183008 - 141221
183013 - 141227	183046 - 141222	183008 - 141272
183020 - 141221	183046 - 141231	183008 - 141273
183026 - 141221	183046 - 141234	183008 - 141274
183032 - 141232	183048 - 141223	183010 - 141231
183036 - 141226	183048 - 141231	183012 - 141276
183048 - 141272	183050 - 141236	183014 - 141224
183048 - 141275	183050 - 141276	183014 - 141233
183052 - 141232	183053 - 141233	183014 - 141266
183054 - 141234	183053 - 141274	183022 - 141234
183054 - 141237	183054 - 141275	183024 - 141235
183054 - 141276	183056 - 141236	183030 - 141231
183064 - 141273	183056 - 141237	183034 - 141233
183066 - 141231	183066 - 141222	183036 - 141233
183070 - 141236	183066 - 141235	183040 - 141231
183072 - 141276	183066 - 141274	183042 - 141233
183073 - 141233	183068 - 141223	183042 - 141272
183074 - 141275	183068 - 141231	183044 - 141222
183074 - 141276	183070 - 141223	183044 - 141223
183076 - 141236	183072 - 141273	183044 - 141271
183100 - 141221	183106 - 141225	183046 - 141270

183046 - 141274	183073 - 141265	183212 - 141236
183048 - 141224	183073 - 141274	183213 - 141224
183048 - 141262	183073 - 141275	183213 - 141225
183048 - 141271	183074 - 141233	183214 - 141226
183050 - 141237	183074 - 141234	183214 - 141237
183052 - 141265	183076 - 141237	183216 - 141227
183052 - 141273	183100 - 141222	183216 - 141236
183053 - 141232	183102 - 141223	183216 - 141237
183053 - 141264	183102 - 141230	183224 - 141221
183054 - 141225	183106 - 141221	183226 - 141222
183054 - 141226	183108 - 141226	183228 - 141223
183054 - 141227	183108 - 141273	183228 - 141224
183054 - 141266	183110 - 141237	183228 - 141231
183056 - 141234	183112 - 141222	183232 - 141233
183056 - 141235	183112 - 141232	183233 - 141223
183056 - 141238	183113 - 141223	183234 - 141237
183060 - 141230	183114 - 141224	183236 - 141236
183060 - 141231	183120 - 141223	184508 - 141262
183062 - 141222	183122 - 141236	184526 - 141221
183062 - 141233	183126 - 141221	184534 - 141276
183064 - 141222	183128 - 141272	CP113614 - 141221
183064 - 141234	183130 - 141226	CP113614 - 141232
183064 - 141271	183134 - 141223	CP113619 - 141263
183066 - 141221	183134 - 141227	CP113620 - 141231
183066 - 141223	183134 - 141238	CP113620 - 141273
183066 - 141275	183136 - 141226	CP113626 - 141236
183068 - 141275	183202 - 141231	CP113631 - 141221
183070 - 141222	183204 - 141223	CP113633 - 141230
183070 - 141263	183204 - 141232	CP113637 - 141272
183070 - 141265	183208 - 141224	CP113638 - 141232
183070 - 141276	183208 - 141231	CP113638 - 141272
183072 - 141225	183210 - 141222	CP113640 - 141233
183073 - 141237	183210 - 141235	
183073 - 141263	183212 - 141232	

Catalog numbers used in the analysis of the Vanguard/Maxim femoral component.

183008	183012	183106
183028	183004	183110
183006	183024	183126
183026	183128	183130
183030	183108	183112
183010	183013	183132
183032	183033	183104

183014	183016	183224
183124	183020	183234
183034	183000	183056
183113	183036	183076
183133	183100	183204
183002	183054	183216
183022	183074	183060
183114	183120	CP113614
183050	183210	CP113620
183048	183230	CP113638
183068	183208	183040
183070	183116	183202
183102	183228	183236
183122	183136	184508
183052	183206	184526
183134	183212	184534
183072	183233	CP113619
183066	183062	CP113626
183046	183213	CP113631
183073	183232	CP113633
183044	183226	CP113637
183053	183042	CP113640
183064	183214	

Catalog numbers used in the analysis of the Vanguard/Maxim tibia component.

141233	141226	141238
141232	141237	141263
141234	141221	141265
141235	141273	141271
141236	141227	141262
141223	141274	141266
141231	141275	141270
141222	141272	141264
141224	141230	
141225	141276	

Catalog numbers used in the analysis of the Vanguard/Maxim Mono-Lock combination.

CP113614 - 141212	CP113616 - 141212	CP113615 - 141212
CP113617 - 141212	CP113616 - 141213	CP113617 - 141213
CP113618 - 141213	CP113619 - 141213	CP113618 - 141212

CP113635 - 141212	183036 - 141228	183010 - 141214
CP113634 - 141212	183050 - 141213	183010 - 141215
CP113619 - 141212	183068 - 141212	183024 - 141213
CP113639 - 141213	183072 - 141214	183028 - 141215
183126 - 141213	183104 - 141213	183030 - 141215
CP113620 - 141213	183110 - 141214	183034 - 141228
183106 - 141213	CP113610 - 141211	183044 - 141211
CP113621 - 141213	CP113617 - 141211	183046 - 141211
CP113634 - 141213	CP113617 - 141214	183050 - 141214
183124 - 141212	CP113621 - 141215	183052 - 141213
183130 - 141214	CP113622 - 141213	183064 - 141211
CP113619 - 141214	CP113631 - 141211	183064 - 141212
CP113636 - 141213	CP113632 - 141211	183066 - 141213
183026 - 141213	CP113637 - 141212	183068 - 141214
183048 - 141212	183008 - 141213	183070 - 141214
CP113613 - 141212	183012 - 141216	183074 - 141216
CP113620 - 141214	183013 - 141216	183102 - 141212
CP113621 - 141214	183014 - 141228	183108 - 141214
183006 - 141213	183024 - 141212	183110 - 141213
183128 - 141213	183028 - 141213	183122 - 141212
CP113614 - 141213	183030 - 141214	183130 - 141215
CP113615 - 141211	183034 - 141216	CP113620 - 141215
183046 - 141212	183052 - 141214	CP113622 - 141215
183066 - 141212	183052 - 141215	CP113627 - 141215
CP113615 - 141213	183070 - 141213	CP113630 - 141211
CP113635 - 141213	183072 - 141215	CP113631 - 141212
CP113637 - 141213	183073 - 141215	CP113633 - 141211
183048 - 141213	183074 - 141215	CP113634 - 141211
CP113612 - 141211	183104 - 141212	CP113635 - 141211
CP113612 - 141212	183106 - 141212	CP113636 - 141214
CP113622 - 141214	183108 - 141213	183000 - 141211
CP113633 - 141212	183124 - 141213	183002 - 141220
CP113636 - 141212	183133 - 141215	183004 - 141213
183032 - 141215	CP113613 - 141211	183004 - 141220
183068 - 141213	CP113614 - 141211	183006 - 141212
183126 - 141212	CP113616 - 141214	183008 - 141212
183128 - 141214	CP113620 - 141212	183008 - 141214
CP113618 - 141214	CP113623 - 141213	183008 - 141215
CP113623 - 141214	CP113638 - 141212	183010 - 141212
CP113632 - 141212	CP113638 - 141214	183014 - 141215
CP113638 - 141213	CP113639 - 141212	183014 - 141217
CP113639 - 141214	CP113640 - 141213	183022 - 141220
CP113641 - 141214	CP113640 - 141214	183026 - 141214
CP113643 - 141214	CP113641 - 141213	183028 - 141214
183004 - 141212	CP113642 - 141215	183032 - 141214
183012 - 141215	183010 - 141213	183032 - 141216

183033 - 141216	183114 - 141217	CP113622 - 141212
183042 - 141211	183120 - 141211	CP113623 - 141212
183044 - 141212	183122 - 141211	CP113623 - 141215
183054 - 141215	183122 - 141213	CP113624 - 141213
183062 - 141212	183126 - 141214	CP113624 - 141214
183068 - 141211	183132 - 141215	CP113624 - 141215
183070 - 141212	183133 - 141216	CP113625 - 141215
183072 - 141213	183134 - 141216	CP113626 - 141216
183072 - 141216	183236 - 141228	CP113630 - 141212
183073 - 141216	CP113611 - 141211	CP113635 - 141214
183104 - 141214	CP113615 - 141210	CP113641 - 141212
183106 - 141211	CP113615 - 141214	CP113642 - 141213
183106 - 141214	CP113616 - 141211	CP113643 - 141215
183108 - 141212	CP113616 - 141215	CP113644 - 141214
183110 - 141216	CP113618 - 141215	
183112 - 141215	CP113619 - 141211	
183113 - 141216	CP113621 - 141212	

Catalog numbers used in the analysis of the Vanguard/Maxim Mono-Lock femoral component.

CP113617	183026	183014
CP113616	CP113623	183024
CP113618	183006	183030
CP113619	183046	183034
CP113614	183066	183074
CP113615	183072	183036
CP113634	CP113632	183064
CP113620	CP113641	183073
CP113635	183052	183122
CP113621	183104	183133
CP113639	CP113633	CP113610
183126	183010	CP113642
183106	183012	183013
CP113636	183032	183044
183048	183110	CP113624
183124	183004	CP113630
183128	183008	183102
183130	183028	CP113627
CP113622	183050	183000
183068	183070	183002
CP113612	183108	183022
CP113613	CP113631	183033
CP113637	CP113640	183042
CP113638	CP113643	183054

183062	183132	CP113626
183112	183134	CP113644
183113	183236	
183114	CP113611	
183120	CP113625	

Catalog numbers used in the analysis of the Vanguard/Maxim Mono-Lock tibia component.

141213	141215	141217
141212	141216	141210
141214	141228	
141211	141220	

Catalog numbers used in the analysis of the Vanguard XP/Vanguard XP combination.

195203 - 195249	195214 - 195248	195215 - 195756
195203 - 195248	195909 - 195273	195216 - 195758
195203 - 195250	195910 - 195755	195907 - 195269
195206 - 195758	195911 - 195757	195909 - 195272
195218 - 195253	195919 - 195271	195909 - 195275
195920 - 195272	195923 - 195757	195910 - 195274
195203 - 195755	195202 - 195754	195910 - 195276
195214 - 195250	195205 - 195252	195911 - 195275
195214 - 195755	195206 - 195252	195911 - 195758
195214 - 195249	195216 - 195757	195912 - 195277
195215 - 195250	195219 - 195759	195920 - 195271
195215 - 195251	195907 - 195271	195921 - 195271
195908 - 195271	195910 - 195275	195921 - 195754
195908 - 195272	195912 - 195276	195921 - 195755
195908 - 195273	195912 - 195758	195922 - 195754
195911 - 195276	195920 - 195269	195202 - 195755
195921 - 195273	195923 - 195275	195202 - 195756
195204 - 195250	195923 - 195276	195203 - 195246
195217 - 195252	195924 - 195276	195203 - 195251
195217 - 195253	195204 - 195756	195204 - 195252
195919 - 195269	195205 - 195250	195204 - 195754
195922 - 195275	195206 - 195251	195204 - 195757
195204 - 195248	195206 - 195253	195205 - 195758
195204 - 195249	195207 - 195252	195206 - 195759
195204 - 195251	195207 - 195253	195207 - 195757
195204 - 195755	195214 - 195754	195207 - 195759
195205 - 195757	195214 - 195756	195208 - 195253

195208 - 195759	195205 - 195756	195908 - 195754
195213 - 195756	195205 - 195759	195909 - 195271
195215 - 195248	195207 - 195251	195909 - 195276
195215 - 195252	195207 - 195758	195909 - 195752
195216 - 195249	195208 - 195757	195909 - 195754
195216 - 195251	195208 - 195758	195909 - 195755
195217 - 195758	195214 - 195245	195909 - 195756
195907 - 195270	195214 - 195246	195910 - 195277
195907 - 195751	195214 - 195247	195910 - 195756
195912 - 195756	195214 - 195251	195910 - 195757
195912 - 195757	195214 - 195753	195911 - 195277
195912 - 195759	195214 - 195757	195911 - 195753
195913 - 195759	195215 - 195246	195911 - 195756
195919 - 195270	195215 - 195247	195911 - 195759
195919 - 195272	195215 - 195249	195913 - 195276
195920 - 195273	195215 - 195753	195913 - 195757
195920 - 195755	195215 - 195755	195913 - 195758
195921 - 195274	195215 - 195758	195914 - 195758
195922 - 195272	195216 - 195247	195919 - 195273
195922 - 195273	195216 - 195250	195919 - 195752
195922 - 195755	195216 - 195252	195919 - 195755
195923 - 195758	195216 - 195756	195920 - 195274
195924 - 195757	195216 - 195759	195920 - 195275
195925 - 195759	195217 - 195759	195920 - 195752
195202 - 195752	195218 - 195252	195921 - 195272
195203 - 195247	195218 - 195757	195921 - 195757
195203 - 195753	195218 - 195758	195922 - 195274
195203 - 195754	195218 - 195759	195922 - 195756
195203 - 195756	195219 - 195252	195922 - 195758
195203 - 195757	195907 - 195272	195923 - 195277
195204 - 195247	195907 - 195273	195923 - 195754
195204 - 195758	195907 - 195752	195923 - 195755
195205 - 195251	195907 - 195754	195924 - 195277
195205 - 195253	195908 - 195274	195925 - 195277
195205 - 195753	195908 - 195275	195925 - 195758
195205 - 195755	195908 - 195753	

Catalog numbers used in the analysis of the Vanguard XP/Vanguard XP femoral component.

195203	195920	195910
195214	195206	195919
195204	195911	195922
195215	195205	195923
195908	195921	195909

195912	195207	195913
195216	195202	195925
195217	195924	195213
195907	195208	195914
195218	195219	

Catalog numbers used in the analysis of the Vanguard XP/Vanguard XP tibia component.

195755	195248	195753
195250	195271	195247
195758	195251	195752
195757	195275	195246
195249	195756	195270
195272	195759	195751
195253	195754	195245
195273	195269	
195252	195274	
195276	195277	

CATALOG NUMBERS OF IMPLANTS IN MARCQI DATABASE FOR UKA CASES

Catalog numbers used in the analysis of the Oxford/Oxford combination.

161469 - 154722	161469 - 154726	161467 - 154721
161469 - 154723	161469 - 154727	161468 - 154724
161469 - 154724	161469 - 154718	161469 - 159531
161469 - 154725	161470 - 154776	161469 - 159532
161468 - 154720	161469 - 154719	161470 - 154721
161468 - 154721	161470 - 154723	161471 - 154725
161468 - 154718	161470 - 154775	161471 - 154726
161469 - 154721	161470 - 154722	161467 - 154720
161469 - 154720	161467 - 159531	161470 - 154720
161468 - 154719	161469 - 154776	161470 - 154720
161470 - 154724	161467 - 159532	166940 - 159532
161470 - 154726	161468 - 154725	166941 - 154721
161470 - 154727	161467 - 154719	166942 - 154722
161470 - 154725	161469 - 154775	166943 - 154723
161468 - 154722	161471 - 154775	166943 - 154724
161468 - 159531	161471 - 154776	166944 - 154727
161468 - 154723	161471 - 154727	
161468 - 159532	161467 - 154718	

Catalog numbers used in the analysis of the Oxford/Oxford femoral component.

161469	161471	166942
161468	166943	166944
161470	166940	
161467	166941	

Catalog numbers used in the analysis of the Oxford/Oxford tibia component.

154722	154725	159531
154723	154718	159532
154721	154719	154776
154720	154726	154775
154724	154727	

Catalog numbers used in the analysis of the Persona/Persona combination.

42558000401 - 42538000601	42558000601 - 42538000701	42558000701 - 42538000801
42558000301 - 42538000601	42558000101 - 42538000501	42558000202 - 42538000702
42558000202 - 42538000602	42558000502 - 42538000602	42558000502 - 42538000502
42558000401 - 42538000801	42558000201 - 42538000601	42558000101 - 42538000601
42558000501 - 42538000701	42558000202 - 42538000502	42558000201 - 42538000301
42558000301 - 42538000501	42558000302 - 42538000402	42558000202 - 42538000402
42558000302 - 42538000502	42558000302 - 42538000802	42558000301 - 42538000901
42558000402 - 42538000502	42558000402 - 42538000402	42558000302 - 42538000302
42558000301 - 42538000701	42558000501 - 42538000801	42558000401 - 42538000401
42558000502 - 42538000902	42558000201 - 42538000701	42558000401 - 42538000901
42558000302 - 42538000602	42558000302 - 42538000702	42558000602 - 42538000602
42558000401 - 42538000501	42558000402 - 42538000802	42558000701 - 42538000901
42558000402 - 42538000602	42558000402 - 42538000902	42558000702 - 42538000902
42558000201 - 42538000501	42558000501 - 42538000901	42558000102 - 42538000402
42558000301 - 42538000401	42558000601 - 42538000601	42558000201 - 42538000401
42558000501 - 42538000601	42558000601 - 42538000901	42558000301 - 42538000301
42558000602 - 42538000802	42558000101 - 42538000401	42558000302 - 42538000902
42558000402 - 42538000702	42558000102 - 42538000502	42558000402 - 42538000302
42558000502 - 42538000702	42558000301 - 42538000801	42558000102 - 42538000302
42558000502 - 42538000802	42558000501 - 42538000501	42558000102 - 42538000602
42558000601 - 42538000801	42558000702 - 42538000802	42558000201 - 42538000801
42558000602 - 42538000702	42558000602 - 42538000902	42558000202 - 42538000302
42558000401 - 42538000701	42558000701 - 42538000701	42558000202 - 42538000802

42558000501 - 42538000401	42558000601 - 42538000501	42558000702 - 42538000702
42558000502 - 42538000302	42558000602 - 42538000601	
42558000502 - 42538000402	42558000701 - 42538000601	
42558000601 - 42538000301	42558000702 - 42538000602	

Catalog numbers used in the analysis of the Persona/Persona femoral component.

42558000301	42558000502	42558000101
42558000401	42558000601	42558000701
42558000402	42558000202	42558000702
42558000302	42558000201	42558000102
42558000501	42558000602	

Catalog numbers used in the analysis of the Persona/Persona tibia component.

42538000601	42538000502	42538000901
42538000701	42538000702	42538000402
42538000602	42538000802	42538000302
42538000501	42538000902	42538000301
42538000801	42538000401	

Catalog numbers used in the analysis of the Restoris MCK/Restoris MCK combination.

180503 - 180604	180512 - 180612	180506 - 180605
180504 - 180605	180506 - 180606	180506 - 180608
180513 - 180613	180516 - 180616	180516 - 180615
180505 - 180606	180513 - 180612	180503 - 180605
180503 - 180603	180514 - 180613	180505 - 180604
180515 - 180616	180517 - 180618	180516 - 180618
180513 - 180614	180504 - 180606	180511 - 180611
180514 - 180614	180505 - 180607	180511 - 180612
180514 - 180615	180507 - 180608	180512 - 180611
180504 - 180604	180515 - 180614	180513 - 180615
180515 - 180615	180503 - 180602	180501 - 180601
180505 - 180605	180501 - 180602	180502 - 180601
180512 - 180613	180507 - 180607	180507 - 180606
180502 - 180603	180515 - 180617	180501 - 180603
180502 - 180602	180504 - 180603	180502 - 180604
180506 - 180607	180514 - 180616	180515 - 180613
180516 - 180617	180517 - 180617	180517 - 180616

180518 - 180618	180505 - 180615	180514 - 180617
180501 - 180604	180506 - 180616	180514 - 180618
180503 - 180614	180506 - 1807272	180515 - 180606
180504 - 180602	180507 - 180605	180515 - 180618
180504 - 180607	180511 - 180613	180516 - 180606
180505 - 180602	180512 - 180602	180516 - 180614
180505 - 180603	180512 - 180614	

Catalog numbers used in the analysis of the Restoris MCK/Restoris MCK femoral component.

180503	180502	180501
180513	180512	180511
180504	180506	180518
180514	180516	
180505	180507	
180515	180517	

Catalog numbers used in the analysis of the Restoris MCK/Restoris MCK tibia component.

180614	180606	180618
180604	180616	180608
180605	180602	180611
180613	180607	180601
180615	180617	1807272
180603	180612	

Catalog numbers used in the analysis of the ZUK/ZUK combination.

00584201402 - 00584200302	00584201601 - 00584200501	00584201502 - 00584200602
00584201401 - 00584200301	00584201602 - 00584200502	00584201301 - 00584200401
00584201501 - 00584200401	00584201501 - 00584200301	00584201202 - 00584200202
00584201402 - 00584200402	00584201401 - 00584200201	00584201601 - 00584200401
00584201502 - 00584200402	00584201402 - 00584200202	00584201201 - 00584200201
00584201401 - 00584200401	00584201502 - 00584200302	00584201602 - 00584200402
00584201502 - 00584200502	00584201401 - 00584200501	00584201201 - 00584200301
00584201501 - 00584200501	00584201601 - 00584200601	00584201402 - 00584205208
00584201302 - 00584200202	00584201302 - 00584200402	00584201202 - 00584200302
00584201301 - 00584200301	00584201402 - 00584200502	00584201501 - 00584207108
00584201302 - 00584200302	00584201602 - 00584200602	00584201401 - 00584205108
00584201301 - 00584200201	00584201501 - 00584200601	00584201401 - 00584200601

00584201402 - 00584200602	00584201102 - 00584200202	00584201202 - 00584204208
00584201401 - 00584206108	00584201301 - 00584204108	00584201301 - 00584200601
00584201301 - 00584200101	00584201302 - 00584204208	00584201301 - 00584205110
00584201502 - 00584200202	00584201401 - 00584200101	00584201301 - 00584206112
00584201502 - 00584207208	00584201402 - 00584204208	00584201302 - 00584205210
00584201301 - 00584205108	00584201402 - 00584207208	00584201302 - 00584206210
00584201302 - 00584200102	00584201501 - 00584208108	00584201401 - 00584204108
00584201402 - 00584200102	00584201601 - 00584200301	00584201401 - 00584206110
00584201602 - 00584200302	00584201601 - 00584207108	00584201401 - 00584208108
00584201701 - 00584200601	00584201602 - 00584208208	00584201402 - 00584200401
00584201301 - 00584200501	00584201102 - 00584200302	00584201501 - 00584200101
00584201501 - 00584206108	00584201302 - 00584206208	00584201501 - 00584200502
00584201501 - 00584200201	00584201502 - 00584200401	00584201501 - 00584205108
00584201502 - 00584206208	00584201702 - 00584200502	00584201501 - 00584206208
00584201602 - 00584207208	00584201302 - 00584200301	00584201501 - 00584206210
00584201301 - 00584206108	00584201401 - 00584207108	00584201502 - 00584206210
00584201302 - 00584200502	00584201501 - 00584200602	00584201502 - 00584207212
00584201302 - 00584205208	00584201502 - 00584200102	00584201502 - 00584208208
00584201402 - 00584206208	00584201502 - 00584205208	00584201502 - 584206210
00584201701 - 00584200501	00584201601 - 00584208108	00584201602 - 00584206208
00584201201 - 00584200101	00584201701 - 00584200401	00584201702 - 00584200302
00584201702 - 00584200602	00584201101 - 00584200301	00584201702 - 00584200402
00584201201 - 00584200401	00584201102 - 00584200102	00584201702 - 00584207208
00584201202 - 00584200102	00584201201 - 00584200501	00584201702 - 00584208208
00584201202 - 00584200402	00584201201 - 00584204108	

Catalog numbers used in the analysis of the ZUK/ZUK femoral component.

00584201402	00584201301	00584201701
00584201401	00584201602	00584201702
00584201501	00584201601	00584201102
00584201502	00584201201	00584201101
00584201302	00584201202	

Catalog numbers used in the analysis of the ZUK/ZUK tibia component.

00584200402	00584200202	00584205108
00584200401	00584200201	00584200102
00584200301	00584200601	00584207108
00584200302	00584200602	00584207208
00584200501	00584205208	00584200101
00584200502	00584206108	00584206208

00584204208
00584208108
00584204108
00584208208

00584206210
00584205110
00584205210
00584206110

00584206112
00584207212
584206210