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special report

International Intraocular Lens & Implant Registry 2000

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ABSTRACT

This article updates the International Intraocular Lens Registry published in January 1999. A total of 936 intraocular lenses (IOLs) and nonoptical implants are available to surgeons in 2000. Sixty-seven new implants were added to the registry, and 25 existing IOLs required a change in the lens constant. The cooperation of the companies has been excellent, and comments from implant surgeons have been very gratifying. *J Cataract Refract Surg 2000; 26:118–134 © 2000 ASCRS and ESCRS*

There are 936 intraocular implants produced by 22 manufacturers available for use by surgeons as of January 2000. In addition to the standard anterior and posterior chamber lenses used after cataract surgery, there are phakic lenses, occluder lenses, iris lenses, telescopic lenses, and other specialty lenses to accommodate any size eye in almost any situation. In addition to the lenticular lenses, there are nonlenticular implants such as capsular bag retention rings and spacers.

The surgeon is sometimes unaware of or overwhelmed by the choices. In the past, the only way to determine the most up-to-date properties of lenses (especially the lens constant) was to contact the manufacturer directly and request material describing the characteristics. The registry now provides surgeons with a quick and accurate reference of these constants each year.

The lens constants represent the best value a surgeon can use before he or she has any experience with the lens. After the surgeon has used the lens in several cases, he or she can determine a personalized constant that will take into account his or her unique characteristics; i.e., surgical technique, diagnostic equipment (keratometer, ultrasound), and preoperative and postoperative medications. All these factors influence the personalized lens constant.[1,2] Each surgeon is encouraged to personalize his or her lens constant for every lens to achieve the best accuracy and outcome for patients.

The ideal method of determining the "initial lens constant" would be to have each lens personalized by several surgeons and to report the median value.[1,2] This would require approximately 30 to 50 cases from 10 to 20 surgeons. The exact number would vary depending on the variability of the data, but a standard error of the mean (SEM) of less than 0.10 diopter (D) has been proposed to assure statistical accuracy.[3]

Once the "clinical lens constant" has been determined, the problem of disseminating the information to the surgeon is logistically difficult. If the company begins to put the new lens constant on the box or in its promotional literature, a surgeon may have 2 lens constants in the inventory. Which lens constant is correct?

The International Intraocular Lens & Implant Registry, which is updated in January of each year, provides the most recent clinical lens constants for each lens. All lens data were reviewed by the respective manufacturers, and the parameters listed are effective January 2000.

Dr. Holladay is a consultant to intraocular lens manufacturers that use the Holladay IOL Consultant® program or formulas.

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Published by Elsevier Science Inc.

0886-3350/00/$–see front matter
PII S0886-3350(99)00379-X

Since the initial publication of the registry last year, several clarifications have become necessary. These relate to the relationship among the 3 lens constants shown in Table 1 and the lens constant for implants with no optics, such as capsular bag retention rings.

The 3 lens constants (A-constant, anterior chamber depth [ACD], and surgeon factor [SF]) are the most commonly used constants for IOL calculations today. Each represents the position of the lens within the eye with respect to the vertex of the cornea for the "average" patient with the median lens power (~22 D) targeting for the average postoperative target (−0.37 D). The characteristics of the average patient are as follows: keratometry = 43.86 D; axial length = 23.55 mm; horizontal white-to-white = 11.7 mm; anatomic phakic anterior chamber depth = 3.16 mm; phakic lens thickness = 4.72; preoperative refraction = −0.60 D; and age = 72 years.[3] The ACD and SF are in millimeters so the distance can be seen directly. The A-constant is in diopters but converts to the nominal position of the lens in the average eye. Although it cannot be directly visualized from the value, it can be converted to an equivalent depth in millimeters.

Although there are differences in the current third-generation IOL calculation formulas (Holladay 1, SRK/T, Hoffer Q, and Holladay 2), the differences are not clinically significant until the eye becomes "unusual." For the average eye and the average target, all the formulas must yield the same result for the average IOL power or a large prediction error would result. To determine the conversion relationship for the 3 constants, a large database from many surgeons using different lenses is required to determine the best value for the lens constant for each lens. Once this has been determined for each lens and formula, a linear regression can be calculated to determine the conversion relationship for the 3 lens constants.

This study was performed with 2000 eyes from 12 surgeons and was published in 1988.[2] The following conversion equations are the result of that study. All A-scan companies and IOL calculation software manufactured since 1988 use these conversion relationships, which are either programmed into the software or hardwired into the instrument. Table 1 lists the conversion values for A-constants ranging from 110 to 125 in 0.1 increments. All the values in Table 2 (Lens Constant Registry) are consistent with Table 1 and the conversion equations. The exact conversion equations from the 1988 article are shown below.

The equivalent standardized ACD for a given A-constant can be determined from the following formula, followed by the example, *A-constant = 118.50.*

$$\text{ACD} = \frac{(\text{Aconst} * 0.5663) - 65.600 + 3.595}{0.9704}$$

e.g.,

$$\text{ACD} = \frac{(118.50 * 0.5663) - 65.600 + 3.595}{0.9704} = 5.26 \text{ mm}$$

The equivalent standardized SF can be determined from the following formula:

$$\text{SF} = (\text{Aconst} * 0.5663) - 65.600$$

e.g., $\text{SF} = (118.50 * 0.5663) - 65.600 = 1.51$ mm

When the 3 lens constants provided by the manufacturer were not consistent with the conversion values listed above, the company was asked to choose the lens constant that was most reliable. The other 2 values were changed to be consistent with the correct conversion value. In most cases, the companies chose the A-constant because it had been determined most recently. All constants for posterior chamber IOLs used after cataract surgery are specified for in-the-bag, not sulcus, fixation. If the lens is to be placed in the sulcus, the ACD and SF should be reduced by 0.25 mm and the A-constant by about 0.50 D.

Phakic IOLs, such as the Artisan lenses from Ophtec and the Nuvita from Bausch & Lomb/Chiron, do not use the axial length vergence equation for determining the lens power; they use a phakic IOL formula.[5] Nevertheless, these lenses have an ACD value that is used for the calculation. In most cases, the actual anatomic ACD for the patient is used in the formula. The lens constant for these lenses would be the average anatomic ACD in the population of patients in which this lens is used. Since the average age of patients in whom phakic IOLs are used (42 years) is much younger than that of the average cataract patient (72 years), the average ACD for phakic IOLs is slightly deeper (3.56 mm) than the average anatomic ACD in cataract patients (3.16 mm). However, these values are averages only. In practice, the patient's actual measured anatomic ACD

should be used for the calculation. The equivalent A-constant and SF are listed, but in the phakic IOL formulas, only the ACD can be used, so the values for A-constant and SF are simply the converted values from the average measured ACD; e.g., ACD = 3.56 mm yields SF = −0.14 and A-constant = 115.6.

Finally, some of the implants listed do not have an optic (e.g., occluder lenses, capsular bag retention rings). Although they have no power, they are implanted intraocularly in the anterior segment. The lens constant listed is simply the normal position of the lens in the average eye. For example, the capsular retention rings from Ophtec (275 and 276), Hanita (ECR2 and ECR3), and Morcher (14A and 14C) have no optic but are planar and designed to be placed in the bag. The normal ACD for planar IOLs in the bag is approximately 5.26 mm. Since the retention ring goes in the same position within the eye, it is given a lens constant of 5.26 mm. These values are helpful in determining the "normal" position of these lenses in the eye. They are obviously not intended for IOL calculations.

Every attempt was made to include all commercially available IOLs and implants. Nevertheless, omissions and errors are inevitable. Corrections or additions should be mailed to the reprint request address or sent by fax (713/669-9153) or by e-mail (holladay@houstoneye.com).

References

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Table 1. Lens constant conversion table.

A-Constant	ACD	Surgeon Factor
110.0	0.30	−3.31
110.1	0.36	−3.25
110.2	0.41	−3.19
110.3	0.47	−3.14
110.4	0.53	−3.08
110.5	0.59	−3.02
110.6	0.65	−2.97
110.7	0.71	−2.91
110.8	0.76	−2.85
110.9	0.82	−2.80
111.0	0.88	−2.74
111.1	0.94	−2.68
111.2	1.00	−2.63
111.3	1.06	−2.57
111.4	1.11	−2.51
111.5	1.17	−2.46
111.6	1.23	−2.40
111.7	1.29	−2.34
111.8	1.35	−2.29
111.9	1.41	−2.23
112.0	1.46	−2.17
112.1	1.52	−2.12
112.2	1.58	−2.06
112.3	1.64	−2.00
112.4	1.70	−1.95
112.5	1.76	−1.89
112.6	1.81	−1.83
112.7	1.87	−1.78
112.8	1.93	−1.72
112.9	1.99	−1.66
113.0	2.05	−1.61
113.1	2.11	−1.55
113.2	2.16	−1.49
113.3	2.22	−1.44
113.4	2.28	−1.38
113.5	2.34	−1.32
113.6	2.40	−1.27
113.7	2.46	−1.21

A-Constant	ACD	Surgeon Factor
113.8	2.51	−1.16
113.9	2.57	−1.10
114.0	2.63	−1.04
114.1	2.69	−0.99
114.2	2.75	−0.93
114.3	2.81	−0.87
114.4	2.86	−0.82
114.5	2.92	−0.76
114.6	2.98	−0.70
114.7	3.04	−0.65
114.8	3.10	−0.59
114.9	3.16	−0.53
115.0	3.21	−0.48
115.1	3.27	−0.42
115.2	3.33	−0.36
115.3	3.39	−0.31
115.4	3.45	−0.25
115.5	3.51	−0.19
115.6	3.56	−0.14
115.7	3.62	−0.08
115.8	3.68	−0.02
115.9	3.74	0.03
116.0	3.80	0.09
116.1	3.86	0.15
116.2	3.91	0.20
116.3	3.97	0.26
116.4	4.03	0.32
116.5	4.09	0.37
116.6	4.15	0.43
116.7	4.21	0.49
116.8	4.27	0.54
116.9	4.32	0.60
117.0	4.38	0.66
117.1	4.44	0.71
117.2	4.50	0.77
117.3	4.56	0.83
117.4	4.62	0.88
117.5	4.67	0.94
117.6	4.73	1.00
117.7	4.79	1.05
117.8	4.85	1.11

A-Constant	ACD	Surgeon Factor
117.9	4.91	1.17
118.0	4.97	1.22
118.1	5.02	1.28
118.2	5.08	1.34
118.3	5.14	1.39
118.4	5.20	1.45
118.5	5.26	1.51
118.6	5.32	1.56
118.7	5.37	1.62
118.8	5.43	1.68
118.9	5.49	1.73
119.0	5.55	1.79
119.1	5.61	1.85
119.2	5.67	1.90
119.3	5.72	1.96
119.4	5.78	2.02
119.5	5.84	2.07
119.6	5.90	2.13
119.7	5.96	2.19
119.8	6.02	2.24
119.9	6.07	2.30
120.0	6.13	2.36
120.1	6.19	2.41
120.2	6.25	2.47
120.3	6.31	2.53
120.4	6.37	2.58
120.5	6.42	2.64
120.6	6.48	2.70
120.7	6.54	2.75
120.8	6.60	2.81
120.9	6.66	2.87
121.0	6.72	2.92
121.1	6.77	2.98
121.2	6.83	3.04
121.3	6.89	3.09
121.4	6.95	3.15
121.5	7.01	3.21
121.6	7.07	3.26
121.7	7.12	3.32
121.8	7.18	3.38
121.9	7.24	3.43

A-Constant	ACD	Surgeon Factor
122.0	7.30	3.49
122.1	7.36	3.55
122.2	7.42	3.60
122.3	7.47	3.66
122.4	7.53	3.72
122.5	7.59	3.77
122.6	7.65	3.83
122.7	7.71	3.89
122.8	7.77	3.94
122.9	7.82	4.00
123.0	7.88	4.05
123.1	7.94	4.11
123.2	8.00	4.17
123.3	8.06	4.22
123.4	8.12	4.28
123.5	8.18	4.34
123.6	8.23	4.39
123.7	8.29	4.45
123.8	8.35	4.51
123.9	8.41	4.56
124.0	8.47	4.62
124.1	8.53	4.68
124.2	8.58	4.73
124.3	8.64	4.79
124.4	8.70	4.85
124.5	8.76	4.90
124.6	8.82	4.96
124.7	8.88	5.02
124.8	8.93	5.07
124.9	8.99	5.13
125.0	9.05	5.19

Table 2. Lens registry.

Model Name	A-Constant	ACD	Surgeon Factor
Adatomed/B&L			
23A	115.3	3.39	−0.31
23AL*	115.3	3.39	−0.31
23Am	115.3	3.39	−0.31
23As*	115.3	3.39	−0.31
42P*	118.5	5.26	1.51
43NH*	118.5	5.26	1.51
53P*	116.6	4.15	0.43
66P*	116.8	4.27	0.54
74NH*	117.8	4.85	1.11
75ST-6	118.9	5.49	1.73
76NH	118.9	5.49	1.73
76P*	118.9	5.49	1.73
82NH	118.9	5.49	1.73
88TI	118	4.97	1.22
88TIa*	118	4.97	1.22
88TIb*	118	4.97	1.22
89NH*	118.9	5.49	1.73
90DUV*	118.5	5.26	1.51

Model Name	A-Constant	ACD	Surgeon Factor
Alcon/Cilco			
39XONB*	117.4	4.62	0.88
55X0NB*	117.9	4.91	1.17
55XOBA*	117.9	4.91	1.17
ANISBU*	116.2	3.91	0.20
AR12UO	118.7	5.37	1.62
CF57BA*	118.7	5.37	1.62
CN50CM	116.5	4.09	0.37
CP5BUO*	118.9	5.49	1.73
CR3BUO*	119	5.55	1.79
CR5BUO*	119	5.55	1.79
CVC1UO	118.9	5.49	1.73
CZ20BD*	118.7	5.37	1.62
CZ60BD	118.7	5.37	1.62
CZ70BD	118.8	5.43	1.68
JF3BUO*	118.7	5.87	1.62
JF3LRU	116.5	4.09	0.37
JF3UOO	116.6	4.15	0.43
LC80BD	118.7	5.37	1.62
LX10BD	118.7	5.37	1.62

*Discontinued

Model Name	A-Constant	ACD	Surgeon Factor
Alcon/Cilco, con't			
LX90BD	118.7	5.37	1.62
MA30BA	118.9	5.49	1.73
MA50BM	118.9	5.49	1.73
MA60BM	118.9	5.49	1.73
MC20BA	118.7	5.37	1.62
MC20C2*	116.2	3.91	0.20
MC20CM	116.6	4.15	0.43
MC30BA	118.7	5.37	1.62
MC30CM	116.8	4.27	0.54
MC40BD	118.7	5.37	1.62
MC40C2*	116.2	3.91	0.20
MC50BD	118.7	5.37	1.62
MC50BM	118.7	5.37	1.62
MC50MM*	115.6	3.56	−0.14
MC50RM	116.5	4.09	0.37
MC51BM	118.7	5.37	1.62
MC51MM	115.6	3.56	−0.14
MC52BM	118.7	5.37	1.62
MC60BD	118.7	5.37	1.62
MC60BM	118.7	5.37	1.62
MC60CM	116.6	4.15	0.43
MC60CP*	116.6	4.15	0.43
MC61BM*	118.7	5.37	1.62
MC61CM	116.6	4.15	0.43
MC70CM	116.4	4.03	0.32
MC70CP*	116.4	4.03	0.32
MC71CM	116.4	4.03	0.32
MC71CP*	116.4	4.03	0.32
ME20BD*	118.7	5.37	1.62
ME60BD*	118.7	5.37	1.62
ML20BD*	118.7	5.37	1.62
MN20BD	118.7	5.37	1.62
MN30BD	118.7	5.37	1.62
MN30BF*	118.7	5.37	1.62
MN40BD	118.7	5.37	1.62
MN60BD	118.7	5.37	1.62
MTA2UO	115.3	3.39	−0.31
MTA3UO	115.3	3.39	−0.31
MTA4UO	115.3	3.39	−0.31
MTA5UO	115.3	3.39	−0.31
MTA6UO	115.3	3.39	−0.31
MTA7UO	115.3	3.39	−0.31
MX20BD*	118.7	5.37	1.62
MX30CD	116.5	4.09	0.37
MZ20BD	118.7	5.37	1.62
MZ20CD	116.6	4.15	0.43
MZ30BD	118.7	5.37	1.62
MZ40BD	118.7	5.37	1.62
MZ60BA	118.7	5.37	1.62
MZ60BD	118.7	5.37	1.62
MZ60CD	116.6	4.15	0.43
MZ60MD	118.7	5.37	1.62
MZ60PD	118.7	5.37	1.62
S2BUOO*	116.2	3.91	0.20
SK21RU*	116.5	4.09	0.37
SK21UO*	116.6	4.15	0.43
SK22UO*	116.6	4.15	0.43
SK32UO*	116.6	4.15	0.43
SK51RM*	116.5	4.09	0.37
SK60BM	118.7	5.37	1.62
SK60CM	116.6	4.15	0.43
SK61BM	118.7	5.37	1.62
SK61CM	116.6	4.15	0.43
SK62CP*	116.9	4.32	0.60
SK70CP*	116.4	4.03	0.32
SK71CP*	116.4	4.03	0.32
SZ20BD	118.7	5.37	1.62
SZ30BD	118.7	5.37	1.62
SZ60BD*	118.7	5.37	1.62
Allergan/Ioptex			
AC-21B(12)	115.1	3.27	−0.42
AC-21B(13)	115.1	3.27	−0.42
AC-21B(14)	115.1	3.27	−0.42
AP961L*	114.5	2.92	−0.76
AP961M*	114.5	2.92	−0.76
AP961S*	114.5	2.92	−0.76
AR-40	118.4	5.20	1.45
PC-11NB	116.5	4.09	0.37
PC-12NB*	116.9	4.32	0.60

*Discontinued

Model Name	A-Constant	ACD	Surgeon Factor
Allergan/Ioptex, con't			
PC-15NB	116.8	4.27	0.54
PC-62CNB	117.7	4.79	1.05
PC-62NJB	117.7	4.79	1.05
PC-64CNB	118.3	5.14	1.39
PC-64NJB	118.3	5.14	1.39
PS-101A*	116.8	4.27	0.54
PS-102A*	116.7	4.21	0.49
PS-25TB	117.2	4.50	0.77
PS-26TB	117.1	4.44	0.71
PS-38NB	117.3	4.56	0.83
PS-42ANB	117.7	4.79	1.05
PS-43NB	118.4	5.20	1.45
PS-44NB	118.4	5.20	1.45
PS-45NB	118.4	5.20	1.45
PS-52ANB	117.6	4.73	1.00
PS-53ANB	117.7	4.79	1.05
PS-54ANB	117.7	4.79	1.05
PS-54ATB	117.7	4.79	1.05
PS-57B	117.1	4.44	0.71
PS-59NB	117.4	4.62	0.88
PS-60AJB*	116.7	4.21	0.49
PS-60AMB	116.7	4.21	0.49
PS-60ANB	116.7	4.21	0.49
PS-60AZB	116.7	4.21	0.49
PS-65ATB*	116.6	4.15	0.43
SA-40N	118	4.97	1.22
SI-14PB*	119	5.55	1.79
SI-20NGB	117.4	4.62	0.88
SI-30NB	117.4	4.62	0.88
SI-40NB	118	4.97	1.22
SI-55NB	118	4.97	1.22
U250F*	116.3	3.97	0.26
U360*	116.5	4.09	0.37
U370*	116.4	4.03	0.32
UB320EFS*	118.2	5.08	1.34
UPB260S*	117.9	4.91	1.17
UPB300F*	117.5	4.67	0.94
UPB300FNS*	117.5	4.67	0.94
UPB320FS*	117.5	4.67	0.94
UPB320GNS*	117.8	4.85	1.11
UPB320GS*	117.9	4.91	1.17
UPB330GS*	117.9	4.91	1.17
UPB330VS*	117.8	4.85	1.11
UPB350FNS*	117.5	4.67	0.94
UPB350GS*	117.8	4.85	1.11
UPB350S*	117.9	4.91	1.17
UPB360*	118.1	5.02	1.28
UPB360GS*	117.8	4.85	1.11
UPB370*	117.9	4.91	1.17
UPB380*	118	4.97	1.22
UPB380C*	118.3	5.14	1.39
UPB380S*	118.1	5.02	1.28
UPBR320GS*	117.9	4.91	1.17
UVB330-67E*	118.2	5.08	1.34
UVB334-58*	118.1	5.02	1.28
UVBN324-56*	117.4	4.62	0.88
B&L/Chiron/Iolab/I.O.			
2192L*	114.2	2.75	−0.93
2192S	114.2	2.75	−0.93
3066R*	116.6	4.15	0.43
3161B	118.3	5.14	1.39
3161S	116.6	4.15	0.43
3236S*	116.2	3.91	0.20
3241B*	118.2	5.08	1.34
3241S*	117.3	4.56	0.83
3260S*	116.8	4.27	0.54
3262L*	116.8	4.27	0.54
3263S	116.8	4.27	0.54
3266R*	116.8	4.27	0.54
3266S*	116.8	4.27	0.54
3267B	118.2	5.08	1.34
3291B*	118.2	5.08	1.34
3360S*	116.6	4.15	0.43
3366R*	116.6	4.15	0.43
3366S*	116.6	4.15	0.43
3367B*	118.4	5.20	1.45
3380S*	116.6	4.15	0.43
3466R*	116.8	4.27	0.54
3466S*	116.8	4.27	0.54

*Discontinued

Model Name	A-Constant	ACD	Surgeon Factor
B&L/Chiron/Iolab/I.O., con't			
3841L*	117.2	4.50	0.77
3841S	117.2	4.50	0.77
3991B*	118.5	5.26	1.51
3991S*	117.3	4.56	0.83
4141B*	118.3	5.14	1.39
4141R*	116.6	4.15	0.43
4141S*	116.6	4.15	0.43
4240R*	116.8	4.27	0.54
4240S*	116.8	4.27	0.54
4241B*	118.2	5.08	1.34
4241S*	116.6	4.15	0.43
4246R*	116.8	4.27	0.54
4246S*	116.8	4.27	0.54
4291B*	118.2	5.08	1.34
4340B*	118.4	5.20	1.45
4340R*	116.6	4.15	0.43
4340S*	116.6	4.15	0.43
4341B*	118.4	5.20	1.45
4346R*	116.6	4.15	0.43
4346S*	116.6	4.15	0.43
4347B*	118.4	5.20	1.45
4491B	118.5	5.26	1.51
4495B	119.5	5.84	2.07
4691B*	118.5	5.26	1.51
4893B	118.4	5.20	1.45
4897B	119	5.55	1.79
6190B	118.3	5.14	1.39
6441B*	118.3	5.14	1.39
6669B*	118.2	5.08	1.34
6693B	118.2	5.08	1.34
6741B*	118.3	5.14	1.39
6791B*	117.4	4.62	0.88
6793B	118.3	5.14	1.39
6840B	118.4	5.20	1.45
6842B	118.4	5.20	1.45
6843B*	118.4	5.20	1.45
8091B	118.5	5.26	1.51
8093B	118.5	5.26	1.51
8095B	118.5	5.26	1.51
8190B*	118.5	5.26	1.51
8191B	118.5	5.26	1.51
8191M*	118.5	5.26	1.51
8193B*	118.2	5.08	1.34
8195B	118.4	5.20	1.45
8240R*	116.8	4.27	0.54
8491B	118.5	5.26	1.51
8493B*	118.2	5.08	1.34
8541B*	119	5.55	1.79
8590B	119	5.55	1.79
8591B	119	5.55	1.79
8593B	119	5.55	1.79
8595B	119	5.55	1.79
8641B	119	5.55	1.79
8741B*	118.3	5.14	1.39
8991B*	118.5	5.26	1.51
9010B*	118.4	5.20	1.45
9150B*	118.2	5.08	1.34
9210B*	118.2	5.08	1.34
9250S*	116.9	4.32	0.60
9410B*	118	4.97	1.22
9660S*	116.9	4.32	0.60
9831B*	118.4	5.20	1.45
9890B*	118.7	5.37	1.62
C10B*	119	5.55	1.79
C10UB*	119	5.55	1.79
C11UB	119	5.55	1.79
C24B*	119	5.55	1.79
C31B*	119	5.55	1.79
C31UB	119	5.55	1.79
CB20B*	118.3	5.14	1.39
CM11UB*	118.4	5.20	1.45
CM12UB*	118.2	5.08	1.34
CM14U*	116.9	4.32	0.60
CM14UB*	118.2	5.08	1.34
CM14UBT*	118.2	5.08	1.34
CM15U*	116.9	4.32	0.60
CM16UB*	118	4.97	1.22
CM19UB*	118	4.97	1.22
CM21U*	116.9	4.32	0.60

*Discontinued
Bold = added or revised

Model Name	A-Constant	ACD	Surgeon Factor
B&L/Chiron/Iolab/I.O., con't			
CM24UB*	118.2	5.08	1.34
CM25UB*	118.2	5.08	1.34
JM17UB*	118.2	5.08	1.34
LI41U*	117.5	4.67	0.94
L151U	118.5	5.26	1.51
LI61U	118	4.97	1.22
MA20	115.8	3.68	−0.02
MC502*	118	4.97	1.22
MC550	118.5	5.26	1.51
Nuvita*	115.8	3.68	−0.02
SAL1U*	116.2	3.91	0.20
SAL2UB*	118.4	5.20	1.45
SAL3UB*	118.4	5.20	1.45
SK11U*	116.9	4.32	0.60
SK14U*	116.9	4.32	0.60
SK15U*	116.9	4.32	0.60
SK18UB*	118.2	5.08	1.34
SP12UB*	118.5	5.26	1.51
SP13UB*	118.2	5.08	1.34
SP14UB*	118.3	5.14	1.39
SP15UB*	118.3	5.14	1.39
SP16UB*	118.5	5.26	1.51
SP18UB*	118.7	5.37	1.62
SP24UB*	118.5	5.26	1.51
SP25UB*	118.4	5.20	1.45
SP29UB*	118.4	5.20	1.45
SP30UB*	118.2	5.08	1.34
SP33UB*	118.5	5.26	1.51
SP37UB*	118	4.97	1.22
SP38UB	118	4.97	1.22
SP38UBN*	118	4.97	1.22
SP40UB*	118.4	5.20	1.45
SP513*	120	6.13	2.36
SU124	118	4.97	1.22
U85JL	114.9	3.16	−0.53
U85JM	114.9	3.16	−0.53
U85JS	114.9	3.16	−0.53
B&L/Storz			
106SL	119	5.55	1.79
106UV*	118.5	5.26	1.51
107UV*	118.5	5.26	1.51
121UV	115.8	3.68	−0.02
127UV*	118	4.97	1.22
207UV*	118	4.97	1.22
601SL	118.1	5.02	1.28
560CUV	118.5	5.26	1.51
650CUV	118	4.97	1.22
68BUV*	118.5	5.26	1.51
68RUV*	117.3	4.56	0.83
68UV	118.5	5.26	1.51
71UV*	119	5.55	1.79
71UVNH*	119	5.55	1.79
73UV	118.5	5.26	1.51
87NUV*	119	5.55	1.79
95BUV	118	4.97	1.22
95UV	118	4.97	1.22
BV359	118	4.97	1.22
BV379	118.4	5.20	1.45
BV485	118.1	5.02	1.28
BVR-150M	118.1	5.02	1.28
BVR-150S	118.1	5.02	1.28
BVR-155M	118.1	5.02	1.28
BVR-155S*	118.1	5.02	1.28
BVR-160M	118.1	5.02	1.28
BVR-160S	118.1	5.02	1.28
BVR-165L	118.1	5.02	1.28
BVR-170L	118.1	5.02	1.28
EB33B	118.4	5.20	1.45
EZE-150*	118.1	5.02	1.28
EZE-150A*	118.1	5.02	1.28
EZE-155*	118.1	5.02	1.28
EZE-155A	118.1	5.02	1.28
EZE-155N*	118.1	5.02	1.28
EZE-160*	118.1	5.02	1.28
EZE-160A*	118.1	5.02	1.28
EZE-160N*	118.1	5.02	1.28
EZE-165*	118.1	5.02	1.28
EZE-256L*	118.5	5.26	1.51
EZE-50	118.1	5.02	1.28

*Discontinued
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Model Name	A-Constant	ACD	Surgeon Factor
B&L/Storz, con't			
EZE-55	118.1	5.02	1.28
EZE-55N*	118.1	5.02	1.28
EZE-56*	118.1	5.02	1.28
EZE-60*	118.1	5.02	1.28
EZE-60N*	118.1	5.02	1.28
EZE-65	118.1	5.02	1.28
H55S	118.3	5.14	1.39
H60M	118.3	5.14	1.39
L122UV	115.8	3.68	−0.02
MB10UV*	116.8	4.27	0.54
P003UV	119	5.55	1.79
P010UV	118	4.97	1.22
P011UV*	118.3	5.14	1.39
P047UV*	118	4.97	1.22
P325BUV	118	4.97	1.22
P328UV	118.4	5.20	1.45
P329UV	118.4	5.20	1.45
P336UV*	118.4	5.20	1.45
P337UV	118.4	5.20	1.45
P356UV	118	4.97	1.22
P359TUV*	118	4.97	1.22
P359UV	118	4.97	1.22
P366UV(12)	118.5	5.26	1.51
P366UV(13.4)	118.5	5.26	1.51
P379UV	118.4	5.20	1.45
P389UV	118	4.97	1.22
P390UV*	118	4.97	1.22
P391UV	118	4.97	1.22
P399UV	118	4.97	1.22
P408UV	118.1	5.02	1.28
P434UV	118	4.97	1.22
P453UV*	118	4.97	1.22
P454UV*	118	4.97	1.22
P484UV	117.9	4.91	1.17
P485UV	118.1	5.02	1.28
P486UV*	118.1	5.02	1.28
P492UV	118.1	5.02	1.28
P494UV	118.1	5.02	1.28
P496UV	118.1	5.02	1.28
P497UV*	118.1	5.02	1.28
P499UV	118.1	5.02	1.28
P501UV*	118	4.97	1.22
P502UV*	118	4.97	1.22
P504UV*	118.1	5.02	1.28
P506UV	118.5	5.26	1.51
P507UV*	118	4.97	1.22
P508UV*	118.1	5.02	1.28
P512UV*	118.1	5.02	1.28
P513UV*	118.4	5.20	1.45
P517UV*	118	4.97	1.22
P518UV	118	4.97	1.22
P519UV	117.9	4.91	1.17
P524UV	117.9	4.91	1.17
P525UV*	118	4.97	1.22
P526UV	118.1	5.02	1.28
P530UV*	118	4.97	1.22
P534UV*	118.1	5.02	1.28
P538UV*	117.9	4.91	1.17
P541UV	118.4	5.20	1.45
P563UV	118.4	5.20	1.45
P574UV	118.1	5.02	1.28
P762UV*	118	4.97	1.22
PO13UV*	118.5	5.26	1.51
PO19UV*	119	5.55	1.79
PO41UV*	118.5	5.26	1.51
S121UV	115.8	3.68	−0.02
S122UV	115.8	3.68	−0.02
Corneal			
ACR6D	119	5.55	1.79
QUATTRO	119	5.55	1.79
Domilens/B&L			
AL1*	118.9	5.49	1.73
AL3*	120	6.13	2.36
BOB 2T*	118.9	5.49	1.73
C-FIX60*	118.2	5.08	1.34
C2-12*	114.8	3.10	−0.59
C2-12.5*	114.8	3.10	−0.59
C2-13*	114.8	3.10	−0.59
C2-13.5*	114.8	3.10	−0.59

*Discontinued
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Model Name	A-Constant	ACD	Surgeon Factor
Domilens/B&L, con't			
CENTRA50B	118.5	5.26	1.51
CENTRA50B12.5*	118.5	5.26	1.51
CENTRA50B13.0*	118.5	5.26	1.51
CENTRA50F	118.5	5.26	1.51
CENTRA50F12.5*	118.5	5.26	1.51
CENTRA50F13.0*	118.5	5.26	1.51
CENTRA55B	118.5	5.26	1.51
CENTRA55F	118.5	5.26	1.51
CENTRA60B*	118.5	5.26	1.51
CENTRA60F*	118.5	5.26	1.51
CHIP2*	118	4.97	1.22
CHIP3*	118.8	5.43	1.68
CP-62*	117.4	4.62	0.88
DELA2*	117.5	4.67	0.94
FLEX60	119.3	5.72	1.96
FLEX60 12*	118.9	5.49	1.73
FLEX60F	119.3	5.72	1.96
FLEX65	119.2	5.67	1.90
FLEX65 12	119.1	5.61	1.85
FLEX65-12.5*	119.2	5.67	1.90
FLEX65-13.5*	118.4	5.20	1.45
FLEX652	118.4	5.20	1.45
FLEX652F	118.4	5.20	1.45
FLEX65F	119.2	5.67	1.90
FLEX65L	118.4	5.20	1.45
FLEX65LF	119.2	5.67	1.90
FLEX7*	118.5	5.26	1.51
J(2)B62*	118.7	5.37	1.62
J(2)B72*	118.6	5.32	1.56
J(2)P62*	116.9	4.32	0.60
JB-62*	118.7	5.37	1.62
JB-72*	118.6	5.32	1.56
JM652*	116.4	4.03	0.32
JP-62*	117.4	4.62	0.88
JP64*	117.4	4.62	0.88
JP72*	116.9	4.32	0.60
JUN 10F*	119	5.55	1.79
JUN 11F*	119	5.55	1.79
L(2)B652*	118.6	5.32	1.56
L(2)B72*	118	4.97	1.22
L(2)P72*	116.9	4.32	0.60
L3-12.75*	115.3	3.39	−0.31
L3-13.25*	115.3	3.39	−0.31
L3-13.75*	115.3	3.39	−0.31
LB70*	118	4.97	1.22
LP652*	116.9	4.32	0.60
LP70*	116.9	4.32	0.60
MIC6	118.4	5.20	1.45
MIC6F	118.4	5.20	1.45
PCB2	118.6	5.32	1.56
PERLENS1*	119	5.55	1.79
PERLENS2*	119	5.55	1.79
PERLENS2F	119	5.55	1.79
PERLENS3*	119.2	5.66	1.90
PNC*	120	6.13	2.36
PROGRESS3*	118.8	5.43	1.68
PSM3*	118.1	5.02	1.28
PSM3F	118.1	5.02	1.28
PSM4*	116	3.80	0.09
SIFLEX 1	119.8	6.02	2.24
SIFLEX 1-13.0*	119.8	6.02	2.24
SIFLEX1-12.5*	119.8	6.02	2.24
SIFLEX1-13.25*	119.8	6.02	2.24
SIFLEX1F	119.8	6.02	2.24
SIFLEX2	119.4	5.78	2.02
SIFLEX2F	119.4	5.78	2.02
SIFLEX4	118.4	5.20	1.45
SIFLEX4F	118.4	5.20	1.45
SIFLEX5*	118.7	5.37	1.62
SIFLEX6	118.1	5.02	1.28
SIFLEX6F	118.1	5.02	1.28
SIFLEX8	118.2	5.08	1.34
SIFLEX8F	118	4.97	1.22
SIFLEX9	118	4.97	1.22
SIFLEX9F	118	4.97	1.22
SILENS2*	119	5.55	1.79
SILENS5*	117.5	4.67	0.94
SILENS6	118.1	5.02	1.28
SILENSPH*	119	5.55	1.79

*Discontinued
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Model Name	A-Constant	ACD	Surgeon Factor
Domilens/B&L, con't			
SILENSPH2*	119	5.55	1.79
SOFLEX2	118.1	5.02	1.28
SPI7T*	118	4.97	1.22
Z-125*	114.7	3.04	−0.65
Z-130*	114.7	3.04	−0.65
Z-135*	114.7	3.04	−0.65
ZB5MF12.5*	115.3	3.39	−0.31
ZB5MF13	115.3	3.39	−0.31
ZB5MF13.5	115.3	3.39	−0.31
ZB6MF12.0	115.8	3.68	−0.02
ZB6MF12.5	115.8	3.68	−0.02
ZB6MF13.0	115.8	3.68	−0.02
ZB6MF13.5	115.8	3.68	−0.02
ZF125	114.7	3.04	−0.65
ZF130	114.7	3.04	−0.65
ZF135	114.7	3.04	−0.65
EUROCRYSTAL			
IF60115	119	5.55	1.79
IFP1E6.00	118.2	5.08	1.34
IFP3D6.00	117.5	4.67	0.94
IPA601250	115.3	3.39	−0.31
IPP2C5.25	118.1	5.02	1.28
IPP2C5.50	118	4.97	1.22
IPP2C6.00	118.4	5.20	1.45
IPP2C6.50	118.4	5.20	1.45
IPP50120	118.2	5.08	1.34
IPP551225	118.2	5.08	1.34
IPP601350	118.3	5.14	1.39
IPP651350	118.3	5.14	1.39
Hanita			
BAL-15	118	4.97	1.22
BAL-4	118.5	5.26	1.51
BAL-55	118	4.97	1.22
BAL-65	117.9	4.91	1.17
BALANCE	118.5	5.26	1.51
BLM	116.8	4.27	0.54
BLM-OP	116.8	4.27	0.54
ECR-2	118.5	5.26	1.51
ECR-3	118.5	5.26	1.51
JPM-17	116.8	4.27	0.54
JPP-10	116.8	4.27	0.54
OPAB-130	114.9	3.16	−0.53
OPAB-132	114.2	2.75	−0.93
OPAB-135	114.9	3.16	−0.53
OPAB-16	114.9	3.16	−0.53
OPB-125	118.5	5.26	1.51
OPB-15	118	4.97	1.22
OPB-150	118	4.97	1.22
OPB-155	117	4.38	0.66
OPB-160	118.5	5.26	1.51
OPB-165	118	4.97	1.22
OPB-22	118	4.97	1.22
OPB-70	118	4.97	1.22
PCC-17	117.5	4.67	0.94
IOLTECHnologie			
HAPTIBAG	117.5	4.67	0.94
HAPTIBAG ANGULE	118.2	5.08	1.34
OCTOBAG	117.9	4.91	1.17
STABIBAG	118	4.97	1.22
TRIPODE	118.5	5.26	1.51
VISION-MULTIFOCAL	117.9	4.91	1.17
LENSTEC			
LA-500	115.3	3.39	−0.31
LA-501	115.3	3.39	−0.31
LA-502	115.3	3.39	−0.31
LF-1000	119	5.55	1.79
LF-3000	119	5.55	1.79
LN-201012.0	115.3	3.39	−0.31
LN-202012.5	115.3	3.39	−0.31
LN-203013.0	115.3	3.39	−0.31
LN-204013.5	115.3	3.39	−0.31
LS-101	118	4.97	1.22
LS-102	118	4.97	1.22
LS-106	118.4	5.20	1.45
LS-109	118.2	5.08	1.34
LS-111	118.4	5.20	1.45
LS-112	118.4	5.20	1.45
LS-114	118.1	5.02	1.28
LS-117	118.4	5.20	1.45

*Discontinued
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Model Name	A-Constant	ACD	Surgeon Factor
Med. Dev. Res.			
AC37B-0UV	115.1	3.27	−0.42
AC37C-0UV	115.1	3.27	−0.42
CN55B-0UV	118.2	5.08	1.34
CS55A-0UV	118.2	5.08	1.34
CS55B-0UV	118.2	5.08	1.34
CS65B-2UV	118.2	5.08	1.34
GN55B-0UV	118	4.97	1.22
GS55A-0UV	118	4.97	1.22
GS55B-0UV	118	4.97	1.22
LP50A-0UV	118.2	5.08	1.34
LP57L-0UV	118.2	5.08	1.34
PA11E-0UV	116.9	4.32	0.60
PA11E-2UV	116.9	4.32	0.60
PA17E-0UV	116.9	4.32	0.60
PA19E-2UV	116.9	4.32	0.60
PA21E-0UV	116.9	4.32	0.60
PA21E-2UV	116.9	4.32	0.60
PA36E-0UV	116.9	4.32	0.60
PA51D-2UV	116.9	4.32	0.60
PA51E-0UV	116.9	4.32	0.60
PA84B-0UV	116.6	4.15	0.43
PB06B-0UV	118.3	5.14	1.39
PB07C-0UV	118.3	5.14	1.39
PB19E-2UV	118.5	5.26	1.51
PB60B-0UV	118.3	5.14	1.39
PB61B-0UV	118.3	5.14	1.39
PBN7C-0UV	118.3	5.14	1.39
PJ65D-2UV	118.2	5.08	1.34
PL52B-0UV	118	4.97	1.22
PS40D-0UV	118.2	5.08	1.34
PS50C-0UV	118.2	5.08	1.34
PS60C-0UV	118.2	5.08	1.34
RM60D-2UV	118.5	5.26	1.51
SC60B-OUV	117.5	4.67	0.94
SD60F-4UV	119	5.55	1.79
SH107-2UV	119	5.55	1.79
TC65B-SUV	118.2	5.08	1.34
TLC7B-SUV	118.2	5.08	1.34
MEDEVEC			
VS2uv-6	119	5.55	1.79

Model Name	A-Constant	ACD	Surgeon Factor
Mentor/ORC			
C410F	119	5.55	1.79
C410F5	119	5.55	1.79
C420F	119	5.55	1.79
C420F5	119	5.55	1.79
C420P	119	5.55	1.79
C421A5	119	5.55	1.79
C421F	119	5.55	1.79
C421F5	119	5.55	1.79
C425F	119	5.55	1.79
C425F5	119	5.55	1.79
C430M	119	5.55	1.79
C430Z	119	5.55	1.79
C440U	119	5.55	1.79
C440Z	119	5.55	1.79
C441M	119	5.55	1.79
C441Z	118.6	5.32	1.56
C441Z5	118.6	5.32	1.56
C445F*	119	5.55	1.79
C450FC	118.5	5.26	1.51
C451F	119	5.55	1.79
C451F5	119	5.55	1.79
C455A5	119	5.55	1.79
C455B	117	4.38	0.66
C455B5	117	4.38	0.66
C455F	119	5.55	1.79
C455L	119	5.55	1.79
C455M	119	5.55	1.79
C455Z5	119	5.55	1.79
C460A5	119	5.55	1.79
C530P	119	5.55	1.79
C540MC	119	5.55	1.79
C580F	119	5.55	1.79
C580F2	119	5.55	1.79
C581F2	119	5.55	1.79
C840U	119	5.55	1.79
C840Z	119	5.55	1.79
C840Z2	119	5.55	1.79
C840Z5	119	5.55	1.79
C881M	119	5.55	1.79
C881M2	119	5.55	1.79

Model Name	A-Constant	ACD	Surgeon Factor
Mentor/ORC, con't			
U210F	118.7	5.37	1.62
U210F5	118.7	5.37	1.62
U211M	118.5	5.26	1.51
U220F	119	5.55	1.79
U220F5	119	5.55	1.79
U240Z	118.5	5.26	1.51
U240Z5	118.5	5.26	1.51
U241Z	118.5	5.26	1.51
U251A5	118.5	5.26	1.51
U251F	118.5	5.26	1.51
U255F	119	5.55	1.79
U255F5	119	5.55	1.79
U381F	118.5	5.26	1.51
U381F2	118.5	5.26	1.51
U381K2	118.5	5.26	1.51
U610F	118.5	5.26	1.51
U631F	118.5	5.26	1.51
U640F	118.5	5.26	1.51
U640F2	118.5	5.26	1.51
U640F5	118.5	5.26	1.51
U641M	118.5	5.26	1.51
U940A	119	5.55	1.79
UV31A	117	4.38	0.66
UV31A2	117	4.38	0.66
UV31F4	117	4.38	0.66
UV31K4	117	4.38	0.66
UV31KD	117	4.38	0.66
UV40A	117	4.38	0.66
UV40A2	117	4.38	0.66
UV40F	117	4.38	0.66
UV40J	117	4.38	0.66
UV41F	117	4.38	0.66
UV41F2	117	4.38	0.66
UV41K	117	4.38	0.66
UV51K2	117	4.38	0.66
UV51K4	117	4.38	0.66
UV60A	117	4.38	0.66
UV61F	117	4.38	0.66
UV61F4	117	4.38	0.66
UV61KN	117	4.38	0.66
UV71F2	117	4.38	0.66
UV71F4	117	4.38	0.66
UV71K	117	4.38	0.66
UV71K3	117	4.38	0.66
UV71K4	117	4.38	0.66
UV80F	117	4.38	0.66
UV80F2	117	4.38	0.66
UV81K	117	4.38	0.66
UV81K3	117	4.38	0.66
UV81M	117	4.38	0.66
Morcher			
14	118.5	5.26	1.51
14A	118.5	5.26	1.51
14C	118.5	5.26	1.51
1E	118.5	5.26	1.51
1L	118.5	5.26	1.51
21B	118.1	5.02	1.28
21L	117.7	4.79	1.05
21S	117.1	4.44	0.71
22B	118.1	5.02	1.28
22F	118.1	5.02	1.28
22L	118.1	5.02	1.28
22S	118.1	5.02	1.28
25	118.1	5.02	1.28
25L	118.1	5.02	1.28
27A	118.1	5.02	1.28
27B*	118.1	5.02	1.28
27C	118.1	5.02	1.28
27D	118.1	5.02	1.28
27E*	118.1	5.02	1.28
27F*	119	5.55	1.79
27G*	119	5.55	1.79
28A*	118.1	5.02	1.28
28C*	119	5.55	1.79
28D*	119	5.55	1.79
28G*	119	5.55	1.79
29A	118.1	5.02	1.28
29B	118.1	5.02	1.28
2C	118.5	5.26	1.51

*Discontinued

Model Name	A-Constant	ACD	Surgeon Factor
Morcher, con't			
2L	118.5	5.26	1.51
50C	118.5	5.26	1.51
53*	118.1	5.02	1.28
53E	118.1	5.02	1.28
54	114.6	2.98	−0.70
54A	114.6	2.98	−0.70
54B	114.6	2.98	−0.70
562D*	120	6.13	2.36
5S	115.9	3.74	0.03
61E4.5*	114.6	2.98	−0.70
61E5.5	114.6	2.98	−0.70
61F4.5*	114.6	2.98	−0.70
61F5.5	114.6	2.98	−0.70
65B	118.1	5.02	1.28
65C	118.1	5.02	1.28
65E*	118.1	5.02	1.28
65F	118.1	5.02	1.28
65S	118.1	5.02	1.28
66	118.1	5.02	1.28
67	118.1	5.02	1.28
67A	118.1	5.02	1.28
67F	118.1	5.02	1.28
67G	118.1	5.02	1.28
67L	118.1	5.02	1.28
67S	118.1	5.02	1.28
71A	118.1	5.02	1.28
71B	118.1	5.02	1.28
71C*	118.1	5.02	1.28
73A*	118.1	5.02	1.28
75A*	118.5	5.26	1.51
76C	120	6.13	2.36
7D	118.7	5.37	1.62
81	118.1	5.02	1.28
81B	119	5.55	1.79
81D*	118.1	5.02	1.28
81E	119	5.55	1.79
81L	118.1	5.02	1.28
83	118.1	5.02	1.28
85E	118.1	5.02	1.28
94	118.1	5.02	1.28
96G	118.5	5.26	1.51
96L*	118.5	5.26	1.51
O.I.I., Inc.			
RS-50B	118.1	5.02	1.28
RS-55B	118.4	5.20	1.45
RS-60B	118.3	5.14	1.39
RS-65	118.4	5.20	1.45
OPHTEC			
275	118	4.97	1.22
276	118	4.97	1.22
AC260	114.2	2.75	−0.93
AC261	114.2	2.75	−0.93
Artisan 203	115.6	3.56	−0.14
Artisan 204	115.6	3.56	−0.14
Artisan 205	115.6	3.56	−0.14
Artisan 206	115.6	3.56	−0.14
PC215	116.8	4.27	0.54
PC242	118	4.97	1.22
PC264	118	4.97	1.22
PC265	118	4.97	1.22
PC267	118.5	5.26	1.51
PC279	118.5	5.26	1.51
PC283	118.5	5.26	1.51
PC284	118	4.97	1.22
PC285	118.5	5.26	1.51
PC287	118.5	5.26	1.51
PC288	118.2	5.08	1.34
PC289	118	4.97	1.22
PC292	118.5	5.26	1.51
PC295	118.5	5.26	1.51
PC410Y	117.5	4.67	0.94
Pharmacia			
351C	115.2	3.33	−0.36
352C	115.2	3.33	−0.36
720*	118.8	5.43	1.68
720A	118.8	5.43	1.68
720C	118.8	5.43	1.68
722A	118.8	5.43	1.68
722C	118.8	5.43	1.68

*Discontinued
Bold = added or revised

Model Name	A-Constant	ACD	Surgeon Factor
Pharmacia, con't			
722D*	118.8	5.43	1.68
722Y	118.8	5.43	1.68
724B	118.8	5.43	1.68
726A*	118.6	5.32	1.56
727A	116.7	4.21	0.49
728A	118.8	5.43	1.68
728C	118.8	5.43	1.68
730A*	118.8	5.43	1.68
734A*	116.9	4.32	0.60
745A	118.2	5.08	1.34
751A	118.8	5.43	1.68
757C	117.2	4.50	0.77
777A*	117.7	4.79	1.05
808A	118	4.97	1.22
808C	118	4.97	1.22
809C	117.9	4.91	1.17
809F	117.9	4.91	1.17
809P	117.9	4.91	1.17
810F*	118.6	5.32	1.56
811A	117.7	4.79	1.05
811B	117.7	4.79	1.05
811C	117.7	4.79	1.05
811E	117.7	4.79	1.05
812A	117.9	4.91	1.17
812B	117.9	4.91	1.17
812C	117.9	4.91	1.17
813N*	117.7	4.79	1.05
814A*	117.8	4.85	1.11
815A*	118.3	5.14	1.39
818C	118.8	5.43	1.68
818T	118.8	5.43	1.68
820A*	118.5	5.26	1.51
821T	117.4	4.62	0.88
824C	118.8	5.43	1.68
911A	118.3	5.14	1.39
912	117.8	4.85	1.11
920	118.1	5.02	1.28
UV65A	114.6	2.98	−0.70
UV65B	114.6	2.98	−0.70
UV65C	114.6	2.98	−0.70
Rayner			
150U*	118	4.97	1.22
208U	118	4.97	1.22
230U	118	4.97	1.22
235U	118	4.97	1.22
237U	118	4.97	1.22
270U	118	4.97	1.22
272U	118	4.97	1.22
273U	118	4.97	1.22
274U	118	4.97	1.22
320U	118	4.97	1.22
510A	118	4.97	1.22
511A	118	4.97	1.22
512A	117.5	4.67	0.94
517A*	117.5	4.67	0.94
550A	117.5	4.67	0.94
552A	117.5	4.67	0.94
570H	118	4.97	1.22
572S	118.5	5.26	1.51
574H	119	5.55	1.79
602A	117.5	4.67	0.94
604A	118	4.97	1.22
645A	118	4.97	1.22
700U	118	4.97	1.22
702U	118	4.97	1.22
752U	118	4.97	1.22
755U	118	4.97	1.22
850U*	118.7	5.37	1.62
870U12.0	116	3.80	0.09
870U12.5	116	3.80	0.09
870U13.0	116	3.80	0.09
870U13.5	116	3.80	0.09
870U14.0	116	3.80	0.09
Staar Surgical			
AA-4203	118.5	5.26	1.51
AA-4203T	118.5	5.26	1.51
AA-4203TF	118.5	5.26	1.51
AA-4203V	118.5	5.26	1.51
AA-4203VF	118.5	5.26	1.51

*Discontinued
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Model Name	A-Constant	ACD	Surgeon Factor
Staar Surgical, con't			
AA-4207VF	118.5	5.26	1.51
AQ-1016	119	5.55	1.79
AQ-1016V	119	5.55	1.79
AQ-2003	118.5	5.26	1.51
AQ-2003V	118.5	5.26	1.51
AQ-2010V	119	5.55	1.79
AQ-2013	119	5.55	1.79
AQ-2013V	119	5.55	1.79
AQ-2017V	119	5.55	1.79
CC4203VF	121.5	7.01	3.21
Fyodorov1	116.5	4.09	0.37
Surgidev			
5.5BUV20-24	118.2	5.08	1.34
5BNUV20-24	117.6	4.73	1.00
5BUV20-24	118.2	5.08	1.34
6.5BUV20-24	118.1	5.02	1.28
6BUV20-20	118.2	5.08	1.34
6BUV20-24	118.2	5.08	1.34
7BUV20-24	118	4.97	1.22
ACU44	114.6	2.98	−0.70
BNUV20-20	118.2	5.08	1.34
LMUV20-20	116.8	4.27	0.54
LMUV20-24	116.8	4.27	0.54
LRUV20-24	116.2	3.91	0.20
PCUB26	118	4.97	1.22
SBUV2-23	118	4.97	1.22
UV20-20	116.8	4.27	0.54
UV20-24	116.8	4.27	0.54
US IOL			
101 UV2	116.4	4.03	0.32
107 UV2	116.9	4.32	0.60
201 UV2	116.4	4.03	0.32
540 UV2	118.5	5.26	1.51
601 UV	115.3	3.39	−0.31
618 UV	118.2	5.08	1.34
628 UV	118.2	5.08	1.34
630 UV	118.4	5.20	1.45
640 UV2	118.5	5.26	1.51
649 UV2	118.5	5.26	1.51
651 UV	117.5	4.67	0.94
660 UV	118	4.97	1.22
679 UV2	118	4.97	1.22
830 UV	118.5	5.26	1.51
835 UV	118.5	5.26	1.51
B101 UV2	118.5	5.26	1.51
B107 UV2	117.5	4.67	0.94
B201 UV2	118.5	5.26	1.51

Bold = added or revised