

## Constants for Medicontur IOLs for Optical or Immersion Ultrasound Measurements

IOL types			Optimized constants					
			SRK/T	Hoffer Q	Holladay 1	Haigis		
			A constant	pACD	SF	a0	a1	a2
Hydrophilic Monofocal	Bi-Flex	677AB(Y)	118.1	5.01	1.25	0.325	0.255	0.141
	Z-Flex	690AB(Y)	118.1	5.01	1.25	0.325	0.255	0.141
	Q-Flex	640AB(Y)	118.1	5.02	1.25	0.278	0.427	0.120
Hydrophobic Monofocal	Bi-Flex	877FAB(Y)	118.9	5.46	1.70	1.320	0.400	0.100
	Z-Flex	860FAB(Y)	118.9	5.46	1.70	1.320	0.400	0.100
Hydrophilic Monofocal Toric	Bi-Flex	677TA(Y)	118.9	5.46	1.67	1.243	0.400	0.100
		677TB(Y)	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690TA(Y)	118.9	5.46	1.67	1.243	0.400	0.100
		690TB(Y)	118.9	5.46	1.67	1.243	0.400	0.100
Hydrophilic Diffractive Progressive	Bi-Flex	677MY	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690MY	118.9	5.46	1.67	1.243	0.400	0.100
	Q-Flex	640MY	118.9	5.46	1.67	1.243	0.400	0.100
Hydrophilic Diffractive Progressive Toric	Bi-Flex	677MTY	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690MTY	118.9	5.46	1.67	1.243	0.400	0.100

Notes:

- It is recommended that surgeons personalize the constants they use based on their techniques, equipment and post-operative results.

- IOL constants were calculated using previous experiences with SRK/T formula and relations between constants. (Source: <http://ocusoft.de/ulib>)

**For further assistance please contact us at [scientific@medicontur.com](mailto:scientific@medicontur.com)**

## Constants for Medicontur IOLs for Applanation Ultrasound Measurements\*

IOL types			Optimized constants					
			SRK/T	Hoffer Q	Holladay 1	Haigis		
			A constant	pACD	SF	a0	a1	a2
Hydrophilic Monofocal	Bi-Flex	677AB(Y)	117.76	4.73	0.95	0.488	0.400	0.100
	Z-Flex	690AB(Y)	117.76	4.73	0.95	0.488	0.400	0.100
	Q-Flex	640AB(Y)	117.76	4.73	0.95	0.488	0.400	0.100
Hydrophobic Monofocal	Bi-Flex	877FAB(Y)	118.56	5.24	1.46	1.018	0.400	0.100
	Z-Flex	860FAB(Y)	118.56	5.24	1.46	1.018	0.400	0.100
Hydrophilic Monofocal Toric	Bi-Flex	677TA(Y)	118.56	5.24	1.46	1.018	0.400	0.100
		677TB(Y)	118.56	5.24	1.46	1.018	0.400	0.100
	Z-Flex	690TA(Y)	118.56	5.24	1.46	1.018	0.400	0.100
		690TB(Y)	118.56	5.24	1.46	1.018	0.400	0.100
Hydrophilic Diffractive Progressive	Bi-Flex	677MY	118.56	5.24	1.46	1.018	0.400	0.100
	Z-Flex	690MY	118.56	5.24	1.46	1.018	0.400	0.100
	Q-Flex	640MY	118.56	5.24	1.46	1.018	0.400	0.100
Hydrophilic Diffractive Progressive Toric	Bi-Flex	677MTY	118.56	5.24	1.46	1.018	0.400	0.100
	Z-Flex	690MTY	118.56	5.24	1.46	1.018	0.400	0.100

\* IOL constants were calculated based on the information at [http://www.doctor-hill.com/physicians/lens\\_constants.htm](http://www.doctor-hill.com/physicians/lens_constants.htm)

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## **Constants for PRELOADED MediconTur IOLs for Optical or Immersion Ultrasound Measurements**

IOL types			Optimized constants					
			SRK/T	Hoffer Q	Holladay 1	Haigis		
			A constant	pACD	SF	a0	a1	a2
PL Hydrophilic Monofocal	Bi-Flex	677P(Y)	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690P(Y)	118.9	5.46	1.67	1.243	0.400	0.100
	Q-Flex	640P(Y)	118.9	5.46	1.67	1.243	0.400	0.100
PL Hydrophobic Monofocal	Bi-Flex	877PA(Y)	118.9	5.46	1.70	1.320	0.400	0.100
	Z-Flex	860PA(Y)	118.9	5.46	1.70	1.320	0.400	0.100
PL Hydrophilic Monofocal Toric	Bi-Flex	677PT(Y)	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690PT(Y)	118.9	5.46	1.67	1.243	0.400	0.100
PL Hydrophilic Diffractive Progressive	Bi-Flex	677PMY	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690PMY	118.9	5.46	1.67	1.243	0.400	0.100
	Q-Flex	640PMY	118.9	5.46	1.67	1.243	0.400	0.100
PL Hydrophilic Diffractive Progressive Toric	Bi-Flex	677PMTY	118.9	5.46	1.67	1.243	0.400	0.100
	Z-Flex	690PMTY	118.9	5.46	1.67	1.243	0.400	0.100

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# Constants for PRELOADED Medicontur IOLs for Applanation Ultrasound Measurements\*

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