Optimized Constants for HOYA Intraocular lenses

(based on clinical results and optical biometry with the Zeiss IOLMaster)

Model name	Specifications	Diameter Optic / OAL	Nominal A	Haigis a_0	Haigis a_1	Haigis a_2	Hoffer Q pACD	Holladay-1 sf	SRK/T A	SRK II A	
PY-60AD	**3-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.093	-0.023	0.208	5.30	1.54	118.6	118.8	*
PC-60AD	**3-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.093	-0.023	0.208	5.30	1.54	118.6	118.8	
PY-60R	**3-P, preloaded, sph.**	6.0 / 12.5 mm	118.4	1.060	0.400	0.100	5.24	1.48	118.5	118.8	*
PC-60R	**3-P, preloaded, sph.**	6.0 / 12.5 mm	118.4	1.060	0.400	0.100	5.24	1.48	118.5	118.8	
250	**1-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	*
251	**1-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	*
254	**1-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	
255	**1-P, preloaded, asph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	
150	**1-P, preloaded, sph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	
151	**1-P, preloaded, sph.**	6.0 / 12.5 mm	118.4	-0.542	0.161	0.204	5.30	1.52	118.5	118.8	
YA-60BB	**3-P, spherical**	6.0 / 12.5 mm	118.7	1.300	0.400	0.100	5.50	1.75	118.9	119.2	*
VA-60BB	**3-P, spherical**	6.0 / 12.5 mm	118.7	1.240	0.400	0.100	5.43	1.65	118.7	118.9	*
Vivinex											
XY1 / XY1-SP	**1-P, preloaded, asph.**	6.0 / 13.0 mm	118.9	-1.0643	0.258	0.2301	5.721	1.946	119.226	-	**
XC1 / XC1-SP	**1-P, preloaded, asph.**	6.0 / 13.0 mm	118.9	-1.0643	0.258	0.2301	5.721	1.946	119.226	-	**
XY1A / XY1A-SP	**1-P, preloaded, toric, asph.**	6.0 / 13.0 mm	118.9	-1.0643	0.258	0.2301	5.721	1.946	119.226	-	
Nanex											
NY1-SP	**1-P, preloaded, asph.**	6.0 / 13.0 mm	119.2	-0.2676	0.2382	0.1993	5.715	1.904	119.112	-	**
NC1-SP	**1-P, preloaded, asph.**	6.0 / 13.0 mm	119.2	-0.2676	0.2382	0.1993	5.715	1.904	119.112	-	**

UV-filter UV- and blue light filter

* http://ocusoft.de/ulib/c1.htm (as of Oct 31, 2016)

** https://iolcon.org (as of Oct 14, 2021)

These optimized constants for the calculation of intraocular lens power are based on actual surgical data and are provided by Ocusoft or IOLCon as a starting point for individual constant optimizations. The information available on these websites are based on data originating from other users and not by HOYA Surgical Optics ("HSO"). HSO therefore does not warrant the correctness, completeness and correctness of the contents on the said websites.

HOYA SURGICAL OPTICS