

OVERVIEW OF A-CONSTANTS FOR ULTRASOUND AND IOLMASTER®

MODEL			A-CONST. FROM MANUFACTURER (ESTIMATED)		OPTIMIZED IOL CONSTANTS FOR THE ZEISS IOLMaster®					
			A-CONST. ULTRASOUND	A-CONST. IOL-MASTER	HAIGIS	HOFFERQ (PACD)	HOLLADAY (SURGEON FACTOR)	SRK/T	SRK II ²	HOLLADAY 2 ³
ASPIRA®	ASPIRA-aA/-aAY¹ MC 6125 AS/AS-Y	NEW	118.1	118.4	$a_0 = -0.6$ $a_1 = 0.152$ $a_2 = 0.209$	5.37	sf=1.63	118.7	119.0	5.199
	ASPIRA-aXA¹	NEW	118.0	118.3	$a_0 = 1.667$ $a_1 = 0.4$ $a_2 = 0.1$	5.89	sf=2.13	119.5	119.8	5.14
	MC X11 ASP		118.0	118.3	$a_0 = 1.59$ $a_1 = 0.4$ $a_2 = 0.1$	5.85	sf=2.08	119.4	119.8	5.14
	ASPIRA-aQA¹ MC 6105	NEW	118.4	118.7	$a_0 = -0.432$ $a_1 = 0.016$ $a_2 = 0.231$	5.61	sf=1.8	119.0	119.3	5.374
	AS MC 5812 AS		118.1	118.4	$a_0 = 0.885$ $a_1 = 0.312$ $a_2 = 0.125$	5.36	sf=1.60	118.7	119.1	5.199
ASPIRA® 3P	ASPIRA®3P-aVA		118.3	118.6	$a_0 = 1.29$ $a_1 = 0.4$ $a_2 = 0.1$	5.34	sf=1.73	119.1	119.1	5.315
TORICA®	TORICA-aA/-aAY MC 6125 T/T-Y		118.1	118.4	$a_0 = 1.18$ $a_1 = 0.4$ $a_2 = 0.1$	5.35	sf=1.51	118.3	118.4	5.199
DIFFRACTIVA®	DIFF-aA/-aAY MC 6125 Diff/DAY		118.1	118.4	$a_0 = 1.28$ $a_1 = 0.4$ $a_2 = 0.1$	5.50	sf=1.73	118.9	119.2	5.199
	TORICADIFF-aA/-aAY		118.1	118.4	$a_0 = 0.885$ $a_1 = 0.312$ $a_2 = 0.125$	5.36	sf=1.60	118.7	119.1	5.199

References:

¹ Source: IOLCon.org <https://iolcon.org/> (Version: 13.06.2018)

All other listed A-Constants are data from HumanOptics AG.

² The A-Constant of the SRK II formula is not subject to any further adjustments.

³ The ACD-Constant of the Holladay 2 formula refers to the manufacturer's constant and is not subject for optimization.

For Chinese patients other constants are recommended for the model DIFF-aA/-aAY. Please contact customerservice@humanoptics.com.

This information is supplied without liability. It is always recommended to use personalized IOL constants by the surgeons on the basis of the surgeon's own clinical experience, the surgical techniques, the used measuring devices and postoperative results to achieve best prediction results. Further information is published on the website <http://ocusoft.de/ulib/relat.htm>. The values specified above are only start values and guidance for the calculation of IOL power.