



**FLEX**

**640AB · 640ABY  
640AD · 640ADY**  
Hydrophilic IOL



## 640AB · 640ABY

Technical specification		Technical specification	
Type	Single-piece Aspheric Hydrophilic IOL	Type	Single-piece Aspheric Hydrophilic IOL
	for implantation into the capsular bag		for implantation into the capsular bag
Optic	Refractive – Aspheric	Optic	Refractive – Aspheric
PCO protection	360° Special Square Edge	PCO protection	360° Special Square Edge
Powers available*	0.0 D → +9.0 D · (increment: 1.0 D)	Powers available*	0.0 D → +9.0 D · (increment: 1.0 D)
	+10.0 D → +30.0 D · (increment: 0.5 D)		+10.0 D → +30.0 D · (increment: 0.5 D)
	+31.0 D → +35.0 D · (increment: 1.0 D)		+31.0 D → +35.0 D · (increment: 1.0 D)
A-constant**	118.1 (SRK/T)	A-constant**	118.9 (SRK/T)
Sterilization	Steam	Sterilization	Steam
Material		Material	
• 640AB	Copolymer of Hydrophilic and Hydrophobic,	• 640AD	Copolymer of Hydrophilic and Hydrophobic,
	Acrylic 25% water content with UV absorber		Acrylic 25% water content with UV absorber
• 640ABY	+ blue light filter	• 640ADY	+ blue light filter
Refractive index	1.46	Refractive index	1.46
ABBE number	58	ABBE number	58
Geometry		Geometry	
Optic design	Biconvex	Optic design	Biconvex
Overall diameter	0.0 D → +15.0 D · 11.0 mm	Overall diameter	0.0 D → +15.0 D · 11.0 mm
	+15.5 D → +22.0 D · 10.7 mm		+15.5 D → +22.0 D · 10.7 mm
	+22.5 D → +35.0 D · 10.5 mm		+22.5 D → +35.0 D · 10.5 mm
Optic diameter	6.0 mm	Optic diameter	6.0 mm
Haptic thickness	0.4 mm	Haptic thickness	0.4 mm
Haptic angulation	0° – 4 closed loops with posterior vaulting	Haptic angulation	0° – 4 closed loops with posterior vaulting
Storage		Storage	
Temperature	+15 – +35 °C	Temperature	+15 – +35 °C
Humidity	15 – 50%	Humidity	15 – 50%
Shelf life	5 years (from sterilization)	Shelf life	5 years (from sterilization)

\* Other powers upon request

\*\* It is recommended that surgeons personalize the constants they use. Please find more information about IOL constants on ULIB.  
(<http://www.ocusoft.de/ulib/c1.htm>)

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