HOYA SURGICAL OPTICS

Vivinex™ | MODEL **XC1-SP** | MODEL **XY1-SP**

Vivinex™ multiSert™

OSTROŚĆ WIDZENIA, BEZPIECZEŃSTWO APLIKACJI.

NIESPOTYKANA OSTROŚĆ WIDZENIA

- **Akryl hydrofobowy** gwarantujący brak olśnień[1,2]
- **Oryginalna asferyczna konstrukcja optyki** zapewniająca lepszą jakość obrazu[3]
- **Obróbka aktywnym tlenem, gładka powierzchnia** oraz **ostra krawędź redukujące** PCO[2,4,5,6,7,8,9,10]

BEZPIECZEŃSTWO I PEŁNA KONTROLA APLIKACJI

- **System tłokowy obsługiwany jedną dłonią oraz wkręcany, obsługiwany oburącz, dostępny** w jednym urządzeniu
- **Unikatowa, ruchoma osłona tipa,** przeznaczona do kontroli głębokości aplikacji
- **System multiSert™** gwarantuje **wyjątkową stabilność** i **powtarzalność wszczepu**[11]

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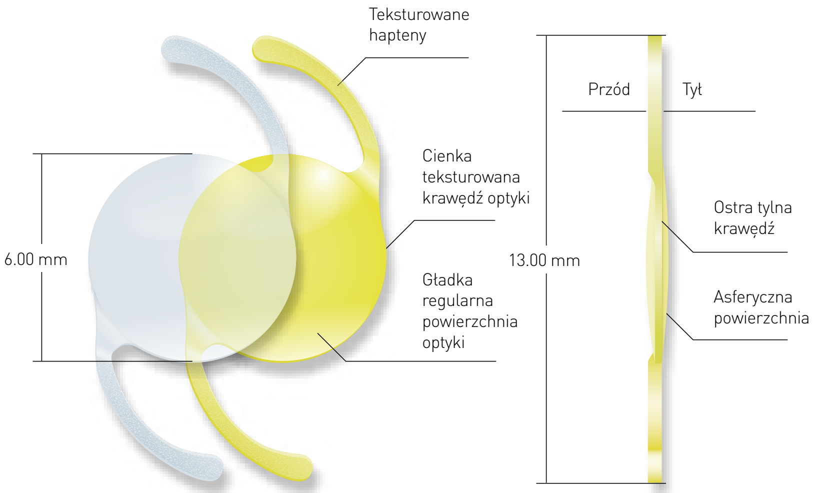
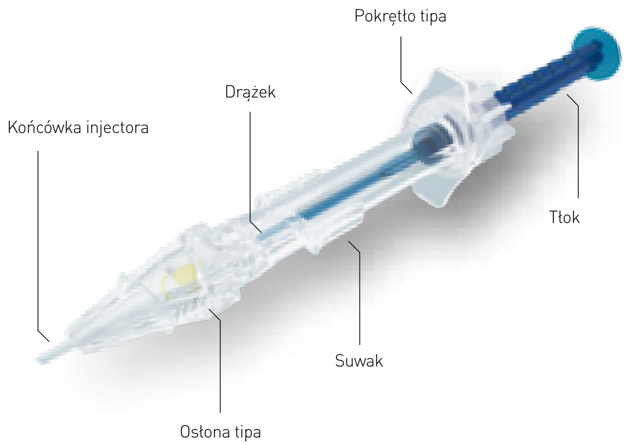


multiSert™



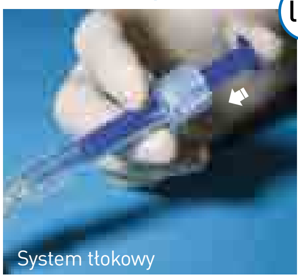
Vivinex™ multiSert™				
Nazwa modelu	**XC1-SP | XY1-SP**			
Optyka	Asferyczna z ostrą, teksturowaną krawędzią optyki			
Materiał optyki i haptenów	Akryl hydrofobowy Vivinex™ z filtrem UV (Model XC1-SP), z filtrem światła niebieskiego (Model XY1-SP)			
Budowa haptenów	Teksturowane, szorstkie, odwrócone C-loop			
Wymiary	6.00 mm / 13.00 mm			
Moc	+6.00 do +30.00 D (krok co 0.50 D)			
Skala A nominalna*	118.9			
Zoptymalizowane stałe**	Haigis	a_0 = -0.8733	a_1 = 0.2093	a_2 = 0.2277
	Hoffer Q	pACD = 5.693		
	Holladay 1	sf = 1.926		
	SRK/T	A = 119.18		
Injector	**multiSert™** preloaded			
Średnica zew. tipa injectora	1.70 mm			
Rekomendowane cięcie	2.20 mm			

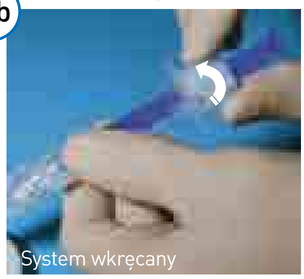
* The A-constant is presented as a starting point for the lens power calculation. When calculating the exact lens power, it is recommended that calculations be performed individually, based on the equipment used and operating surgeon's own experience.

** These optimized constants for the calculation of intraocular lens power published by IOLCon on their website: https://iolcon.org are calculated from 1,444 clinical results for Vivinex™ model XY1/XC1 as of January 11, 2021. These constants are based on actual surgical data and are provided by IOLCon as a starting point for individual constant optimizations. The information available on the website is based on data originating from other users and not by HOYA Surgical Optics ("HSO"). HSO therefore does not warrant the correctness, completeness and currentness of the contents on the said website.

System multiSert™ 4 w 1 gwarantuje wyjątkową kontrolę aplikacji oraz umożliwia wybór sposobu implantacji

Jednoręczny lub **Dwuręczny**





Aplikacja do torby soczewki lub **Aplikacja pod tunel cięcia**

1 Glistening-free per Miyata scale; study result of the The David J Apple International Laboratory for Ocular Pathology, University Hospital Heidelberg. Report on file.
2 HOYA data on file. DoF-CTM-21-002, HOYA Medical Singapore Pte. Ltd, 2021
3 Pérez-Merino, P.; Marcos, S. (2018): Effect of intraocular lens decentration on image quality tested in a custom model eye. In: Journal of cataract and refractive surgery 44 (7), p. 889–896.
4 Leydolt, C. et al. (2020): Posterior capsule opacification with two hydrophobic acrylic intraocular lenses: 3-year results of a randomized trial. In: American journal of ophthalmology 217 (9), p. 224-231.
5 Giacinto, C. et al. (2019): Surface properties of commercially available hydrophobic acrylic intraocular lenses: Comparative study. In: Journal of cataract and refractive surgery 45 (9), p. 1330–1334.
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7 Matsushima, H. et al. (2006): Active oxygen processing for acrylic intraocular lenses to prevent posterior capsule opacification. In: Journal of cataract and refractive surgery 32 (6), p. 1035–1040.
8 Farukhi, A. et al. (2015): Evaluation of uveal and capsule biocompatibility of a single-piece hydrophobic acrylic intraocular lens with ultraviolet-ozone treatment on the posterior surface. In: Journal of cataract and refractive surgery 41 (5), p. 1081–1087.
9 Eldred, J. et al. (2019): An In Vitro Human Lens Capsular Bag Model Adopting a Graded Culture Regime to Assess Putative Impact of IOLs on PCO Formation. In: Investigative ophthalmology & visual science 60 (1), p. 113–122.
10 Nanavaty, M. et al. (2019): Edge profile of commercially available square-edged intraocular lenses: Part 2. In: Journal of cataract and refractive surgery 45 (6), p. 847–853.
11 Usability and acceptability evaluation of the multiSert™ injector system, HOYA data on file DoF-SERT-102-MULT-03052018 (2018).

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