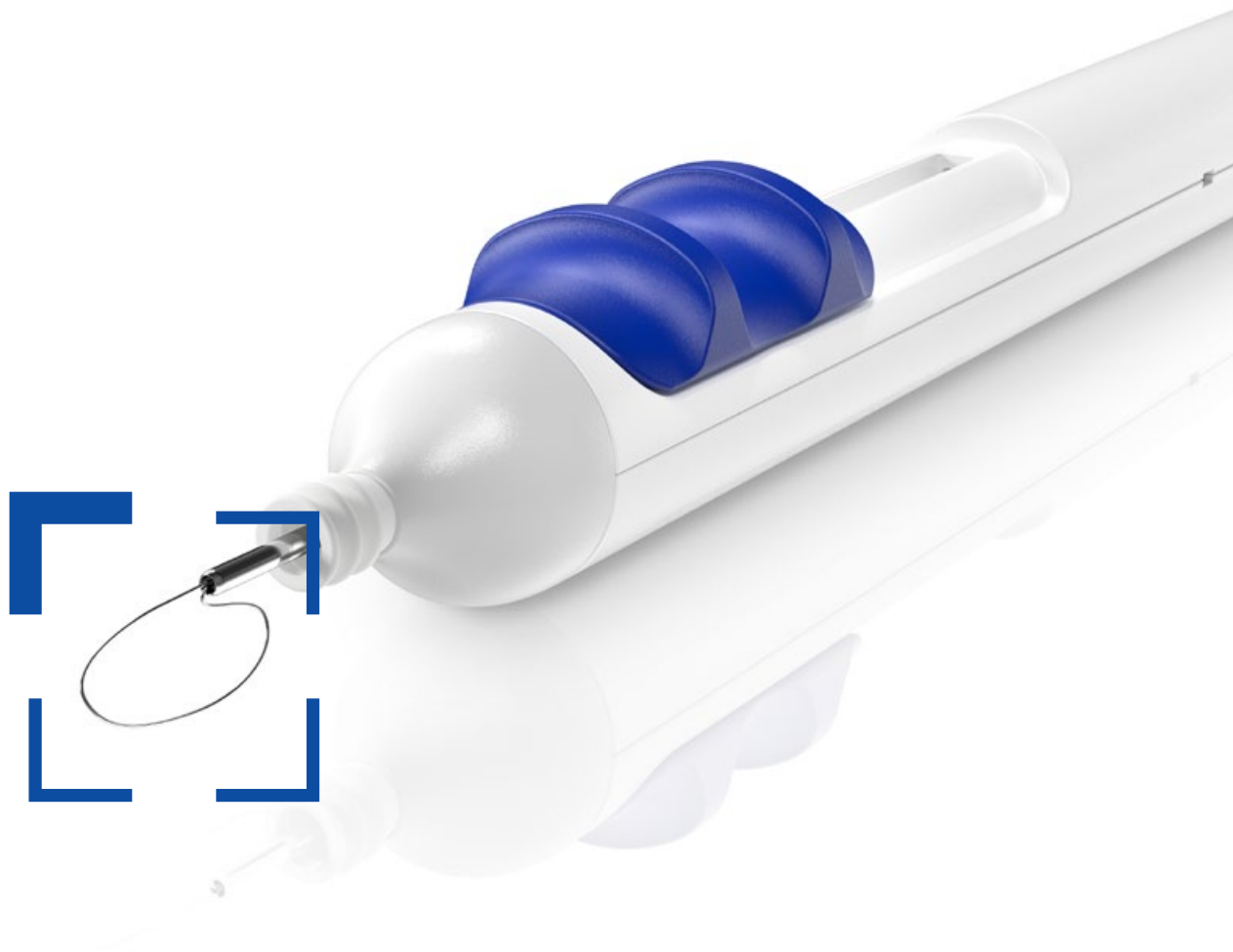


Removing the challenge of dense cataracts.



ZEISS miLOOP

www.zeiss.com/miloop



Seeing beyond

“ Now that I know what miLOOP can do for certain segments of my patients, it is an indispensable part of my surgical toolbox.”
John Berdahl, MD

“ I was impressed with miLOOP’s ease of use and its disruptive potential in our space.”
William Wiley, MD



Removing the challenge of dense cataracts

The miLOOP® from ZEISS is a microinterventional lens fragmentation device. Using micro-thin super-elastic, self-expanding nitinol filament technology, the ZEISS miLOOP allows cataract surgeons to achieve zero-energy lens fragmentation for any grade cataract.¹

Up to 53% less overall phaco energy

A randomized controlled study in the British Journal of Ophthalmology showed that using ZEISS miLOOP in hard grade 3-4+ nuclear cataracts reduces phaco energy by up to 53%.¹



Up to 30% lower fluid volume

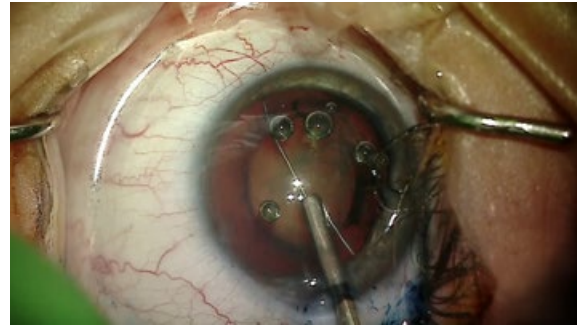
The same study also confirms that using ZEISS miLOOP significantly lowers the surgical irrigation fluid volume used per case by up to 30%.¹

Designed to minimize stress to the capsule and zonules

ZEISS miLOOP is engineered to minimize capsular and zonular stress. It allows out-in nucleus disassembly that directs the force used to divide the lens inwards, while conventional techniques employ in-out lens cutting with adjunct phaco-energy.¹

Reduced procedure treatment time

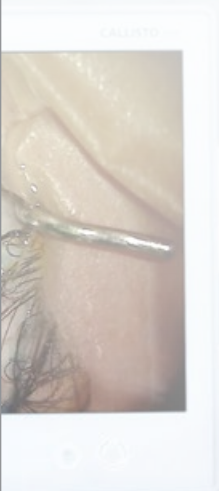
In a 2019 surgeon survey, the majority of trained ZEISS miLOOP surgeons report a perceived reduction in overall procedure time with ZEISS miLOOP.²



ZEISS miLOOP fragmenting a cataract.⁹

Reduced post-operative treatment time

ZEISS miLOOP usually results in less trauma to the capsular bag and zonules thereby potentially reducing the need for additional post-operative treatment.^{1,3} One of the major causes for endothelial cell loss in cataracts with increased density is the amount of phaco energy emitted into the eye during surgery.^{4,5,6,7,8} Thus, the ability to significantly reduce the overall phaco power by using ZEISS miLOOP¹ may decrease the number of related complications that need post-operative treatments.



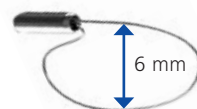
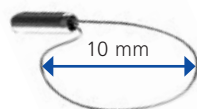
Technical data

miLOOP

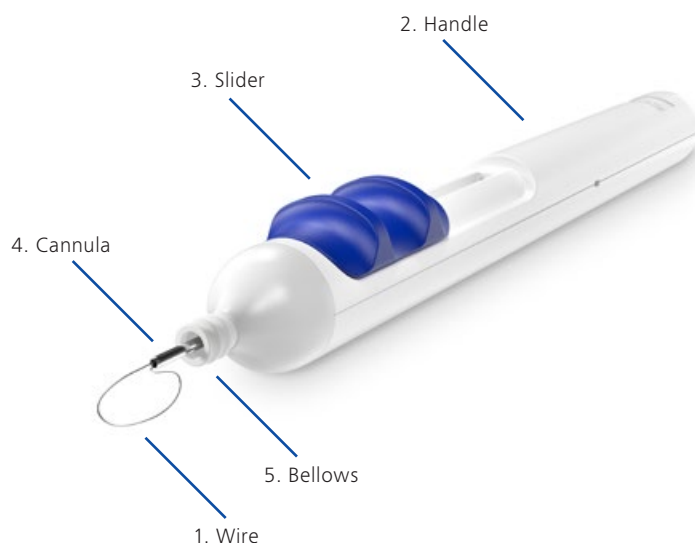
Weight	13 g
Number of uses	Single use
Material	Grade 304 stainless steel, TPE, Nitinol, CALIBRE 5101

Measurements

Handle	Length: 114,50 mm Diameter: 12 mm
Cannula	Length: 9 mm Diameter: 1 mm
Wire loop	Maximum width:



Minimum width: 1 mm



Pos.	Designation	Function
1.	Wire	Performs lens fragmentation
2.	Handle	Grip for surgeon
3.	Slider	Its retraction constricts the wire loop
4.	Cannula	Guides the wire for its insertion into the eye
5.	Bellows	Haptic feedback to guide the surgeon to the correct insertion depth of the cannula

References

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- 9 Image courtesy of Brandon Ayres, MD, USA

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