



Preloaded IOL Injection System **NP-1/NP-1C**
Aspheric Single-piece IOL **Aktis SP**



THE ART OF EYE CARE

All set for clear vision

NIDEK's original injector, developed for smooth, controlled delivery, includes the Aktis SP IOL. The injector system provides "smoother, safer, and secure IOL implantation" for the surgeon and "reliable clear vision" for the patient. The ideal monofocal preloaded system is now available for maintaining surgeon and patient confidence.

Unrivaled "Made in Japan" Quality

Pride in Reliable IOL Material

All the steps from IOL design to IOL material manufacturing are performed at NIDEK without any outsourcing.

NIDEK formulates original acrylate materials for IOL manufacture.

To ensure a stable acrylate, NIDEK uses "double-polymerization" during IOL manufacture.

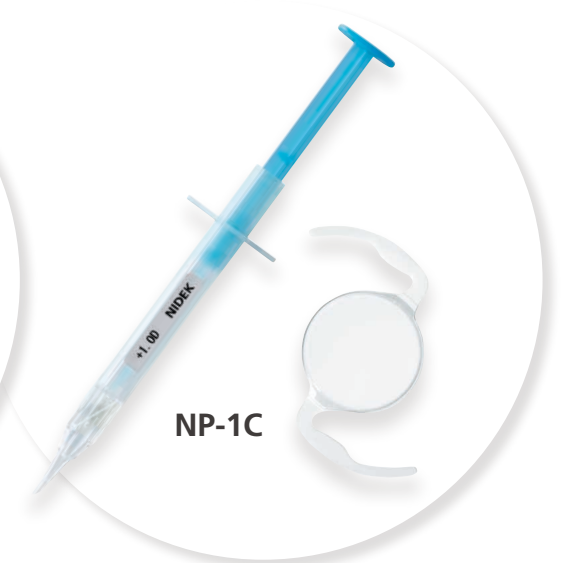


NIDEK Single-piece IOL Product Portfolio

Preloaded system
NP-1/NP-1C



NP-1



NP-1C

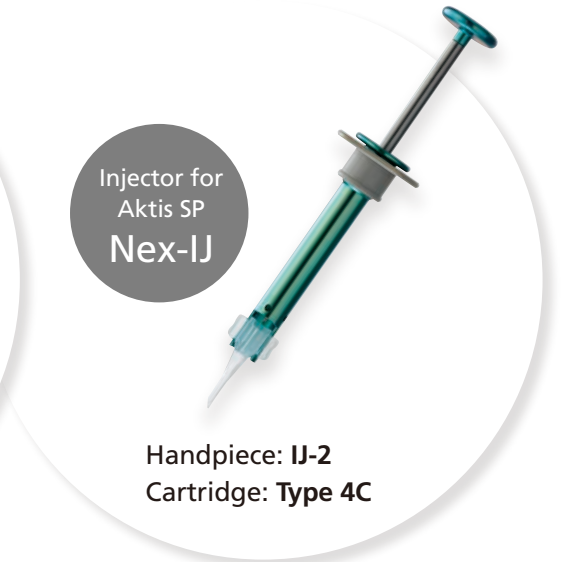
Aspheric
single-piece IOL
Aktis SP



NS-60YG

NS-60G

Injector for
Aktis SP
Nex-IJ



Handpiece: IJ-2
Cartridge: Type 4C

Ensuring Optimal Outcomes for Surgeons and Patients

Nano-precision Processing

The IOLs undergo "lathe cutting" which is controlled to the nano-level to maximize IOL quality.

This extremely precise processing method allows finely tuned lens designs.

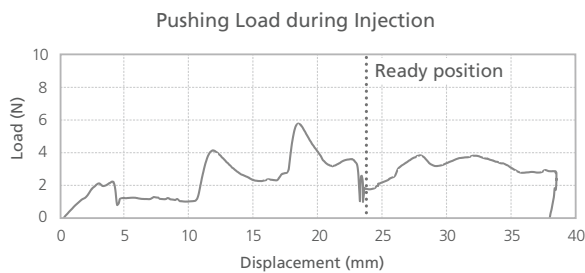


Preloaded IOL System - Smooth, Controlled Delivery

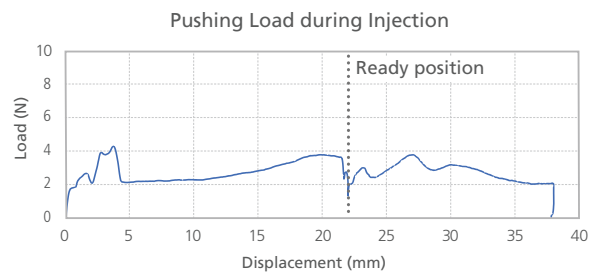
Smooth Injection

The dual silicone ring on the plunger ensures optimal and constant resistance while performing a smooth injection. It minimizes a sudden change in resistance during injection, allowing stable, consistent and safe IOL delivery.

Previous model (SZ-1)



NP-1



Simple Two-step Operation

The NP-1/NP-1C allows quick and easy operation using a simple two-step process. First, OVD is filled in the injector, and then the plunger is depressed (as one-handed operation, if desired). The IOL does not need to be loaded into the cartridge after filling OVD.

Step 1

Fill OVD



Step 2

Push the plunger



Lower Power IOLs Available

The NP-1/NP-1C is available in a wide range of powers from 1.0 to 30.0 D, and they can all be delivered with the same system and the same technique.

Diopter Range

1.0 - 30.0 D

Incision Size

2.2 mm

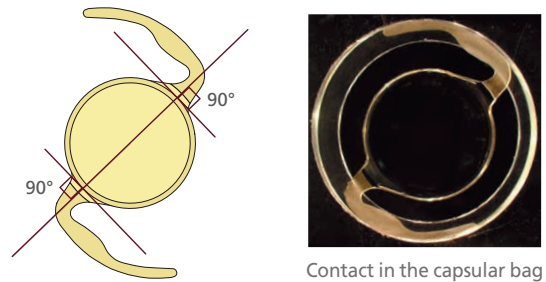
Small Incision

The NP-1/NP-1C can be used with a 2.2 mm small incision at the corneoscleral junction, or a 2.4 mm incision through the clear cornea.

Reliable IOL Ensuring Clear Vision

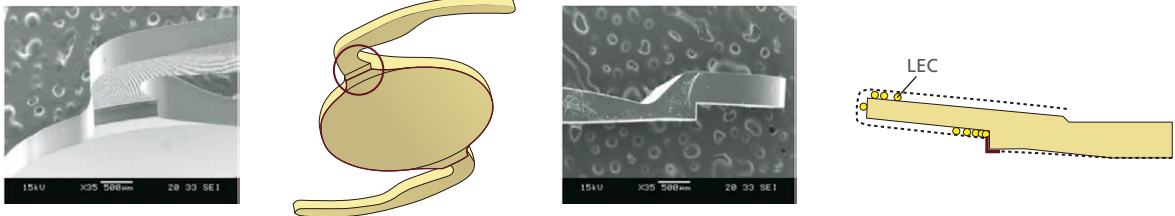
Intracapsular Stability and Centration

The optimized length and 90° haptic design (Anchor Wing Loop) increases the contact area with the capsular bag resulting in stable, well-centered IOL implantation.



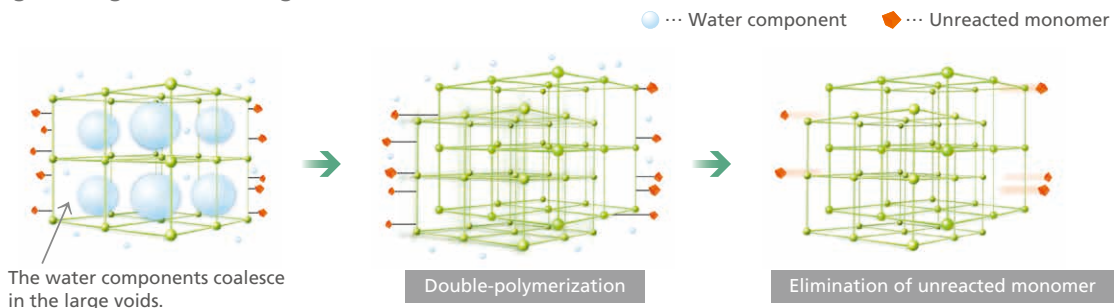
Prevention of PCO

True 360° sharp square edge effectively prevents posterior capsule opacification (PCO). Steps on the back of optic-haptic junctions prevent migration of lens epithelial cells (LECs).



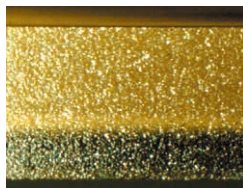
Long-term Material Stability

Double-polymerization and elimination of unreacted monomers during the lens manufacturing process decreases the chances of glistening and whitening.



Minimizing Dysphotopsia

Asperitic optic side surface reduces intraocular reflection and optic edge glare.



Quick and Smooth Unfolding

The unique soft lens material contributes to fast unfolding. A slightly rough haptic surface reduces adherence to the optic surface during lens folding, allowing for quick and smooth unfolding after lens delivery.



Haptic surface

Tinting* and Spherical Aberration for Clear, Natural Vision

An aspheric design and yellow tinting simulate the physiologic conditions of a young, adult crystalline lens, achieving clear, natural vision for all viewing conditions.

*Available for the NP-1 and Aktis SP (NS-60YG)

NP-1/NP-1C Specifications

	Tinted model	Clear model
Product name	NexLoad NP	NexLoad NP Clear
Model	NP-1	NP-1C
Loaded lens	Aktis SP (NS-60YG)	Aktis SP (NS-60G)
Diopter range	1.0 to 5.0 D (1.0 D increments) 5.0 to 27.0 D (0.5 D increments) 27.0 to 30.0 D (1.0 D increments)	←

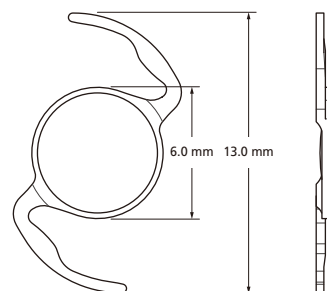
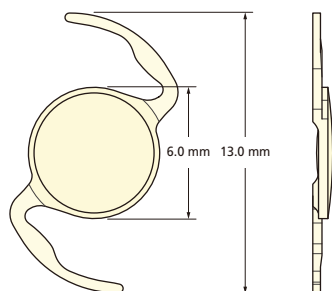


Aktis SP Specifications

	Tinted model	Clear model
Product name	Nex-Acri AA 1P	Nex-Acri 1P
Model	NS-60YG	NS-60G
Overall length	13.0 mm	←
Optic diameter	6.0 mm	←
Optic material	Yellow tinted hydrophobic soft acrylic	Hydrophobic soft acrylic
Haptic material	Yellow tinted hydrophobic soft acrylic	Hydrophobic soft acrylic
Haptic angle	0°	←
A constant	119.1* ¹	←
Expected AC depth	5.7 mm* ¹	←
Diopter range	1.0 to 10.0 D (1.0 D increments) 10.0 to 27.0 D (0.5 D increments) 27.0 to 30.0 D (1.0 D increments)	←
Recommended injector	Nex-IJ Sterile single use IOL placement system COMFORT C PLUS: T22C7088 (RET Inc.)* ²	←

*1 The values of the A constant and AC depth are for reference only. The precise parameters should be determined based on the surgeon's own experience.

*2 The availability of the COMFORT C PLUS differs from country to country.



Nex-IJ Handpiece

Product name	Nex-IJ
Model	IJ-2



Nex-IJ Cartridge

Product name	Nex-IJ
Model	Type 4C



Brochure and listed features of the device are intended for non-US practitioners.

The availability of products differs from country to country depending on the status of approval.

Specifications and design are subject to change without notice.

Specifications may vary depending on circumstances in each country.

