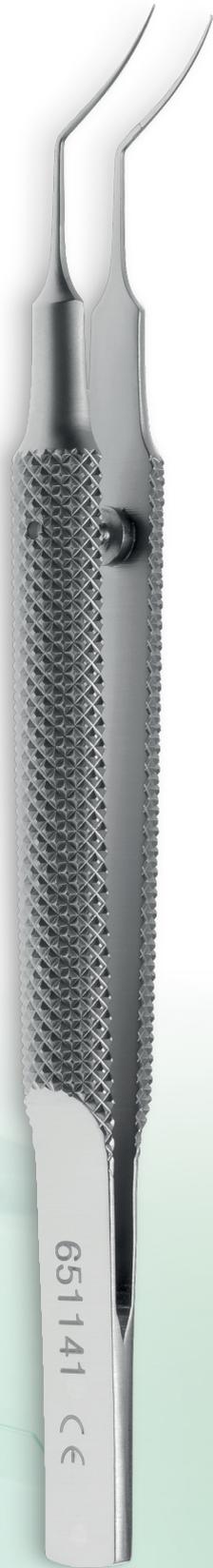


HASA OPTIX  
Belgium

Optimise cost and quality of

# Cataract Surgery

Premium Single-Use  
Recyclable Instruments



Distributed by  Rayner

# Grateful for the support from surgeons worldwide



**Dr. Vincent Qin, MD, MBA, MPH, FEBO**  
Ophthalmology & Eye Surgery Consultant

“Since using the HASA OPTIX Cataract Sets, I never have to worry about missing or broken instruments. I can fully perform cataract surgery in the best material conditions.”



**Dr. Eric Donnenfeld**  
Clinical Professor of Ophthalmology NYU at OCLI

“These instruments are basically an extension of my hands, in the patient’s eye, and I feel a level of comfort that I haven’t felt otherwise.”



**Dr. Ivo Guber, MD**  
Owner & Medical Director bei augenchirurgie.ch  
Winterthur, Zurich, Switzerland

“Excellent quality of instruments for unbeatable price.”



**Ms. Masara Laginaf**  
Consultant & Ophthalmic Surgeon Specialized in Cornea, cataract and Refractive Surgery at OCL Vision London (UK)

“Created with a strong ethical position to improve sustainability in the field of ophthalmology whilst providing streamlined solutions and beautifully engineered instruments.”

# A genuine desire to empower all those involved in ophthalmic surgery

Hospitals, surgical centres, and ophthalmic clinics face the challenge of working profitably whilst maintaining high levels of patient care.

HASA OPTIX exists to develop products that offer all stakeholders involved in ophthalmic surgery solutions that contribute to a more cost-controlled work environment, as well as improved quality of care.

We are passionate about eliminating cross contamination and reducing risk management whilst increasing efficiency, convenience and reliability. Our innovative solution provides total peace of mind, confidence, and satisfaction.



## General information and IP protection

© HASA OPTIX SRL. All rights reserved. ®/™ are trademarks of HASA OPTIX SRL

All original illustrations and text in this publication are fully protected by copyright, no part of it may be reproduced in any form without written permission by the publisher. Size specifications are stated as accurately as possible. Tip drawings are enlarged to show tip detail. Surgical instruments shown in this catalogue are made of stainless steel, unless otherwise indicated.

# Why choose HASA OPTIX surgical instruments?

HASA OPTIX is a Belgian medical device company that manufactures a wide range of premium recyclable single-use instruments. Through partnership with HASA OPTIX, Rayner is pleased to offer surgeons a comprehensive portfolio of pre-sterilised instruments and sets which meet high quality material standards.



## Premium quality

Premium quality disposable recyclable instruments offering the same constant quality as reusable instruments but with increased convenience and efficiency.



## Cost control

HASA OPTIX instruments provide an excellent procurement solution by aiding the precise calculation of surgery costs.



## Environmentally friendly

Supplied in recyclable pre-packed pouches relevant to each ophthalmic procedure, helping to reduce waste and environmental impact.



## Simplicity

Pre-packed pouches help reduce the number of SKUs, contributing towards a simpler, more efficient repository solution.



## Peace of mind

Innovative solutions that provide total peace of mind ensuring the correct surgical instruments are easily accessible.



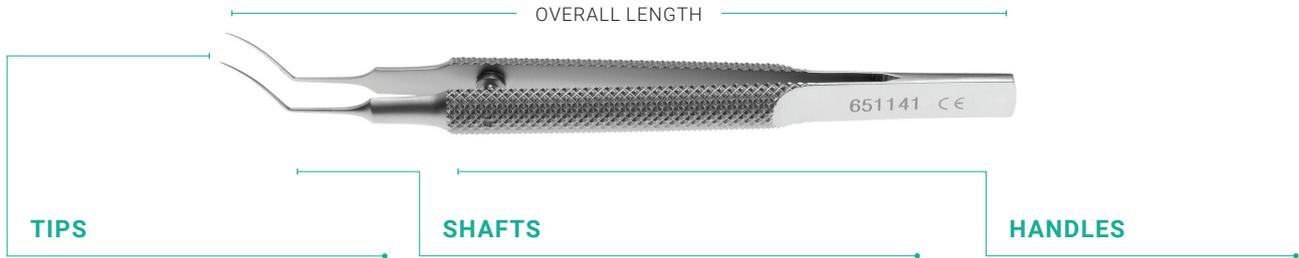
## Infection control

Single use and pre-sterilised instruments ensure all surgeons can be confident with their patient safety of care.

A **sustainable and innovative** solution with **precision performance**, that contributes to a **better cost-controlled environment** and **increased quality of patient care**.

# Instrument Specifications

## Capsulorhexis Forcep



**Pointed**  
The sharp tip of this instrument acts as a cystotome and allows for a firm grasp of the capsule.



**Micro-pointed/Angled jaws**  
This instrument has micro jaws on a 23 or 25G platform, which can be operated using a squeeze handle.



**Angled** - Fine, angled shafts with an iris stop that allow for easy movement in the anterior chamber. It can be easily manipulated through a 1.8mm incision.



**Curved** - This instrument has a vaulted shaft that contours the shape of the anterior capsule.



**Cross Action/Short Bridge** - These spring handle forceps have a short bridge cross action mechanism.



**Cross Action/Long Bridge** - These spring handle forceps have a long bridge cross action mechanism.



**23G/25G** - The small diameter shaft of this instrument allows for usage through a side port.



**Flat** - This instrument features a flat handle for good manual grip and control of the tip, but may require significant hand, wrist, or forearm movement.



**Round** - This instrument has ability to rotate the handle that allows for micro control of the tip with minimum movement by rolling between the fingers.



**Flat Cross Action** - This forcep opens and closes tips by asserting and releasing pressure, offering micro control with a flat handle.



**Round Cross Action** - This forcep opens and closes tips by asserting and releasing pressure, offering micro control with a round handle.



**23G/25 Gauge** - The squeeze handle of this instrument provides delicate, tactile feedback and enables excellent control.

# Instrument Specifications

## Anatomy Forcep



**Plain** - The general purpose of this forcep is to remove sutures.



**Serrated** - This forcep is designed for atraumatic grasping of tissue.



**Platform** - This forcep is used for holding, tying, and removing sutures.



**Notched** - This forcep is designed for atraumatic grasping and holding of tissue, as well as tying sutures using the platform.



**Toothed** - This forcep is designed for grasping and holding tissue, including muscle, as well as tying sutures using the platform.



**Straight**



**Curved**



**Angled**



**Colibri** - This forcep is designed to enhance visualization and positioning of the tip.



**Cross-action** - This forcep is designed for maximum opening of the tip within a small incision.



**Flat** - This instrument features a flat handle for good manual grip and control of the tip, but may require significant hand, wrist, or forearm movement.



**Round** - This instrument has ability to rotate the handle that allows for micro control of the tip with minimum movement by rolling between the fingers.



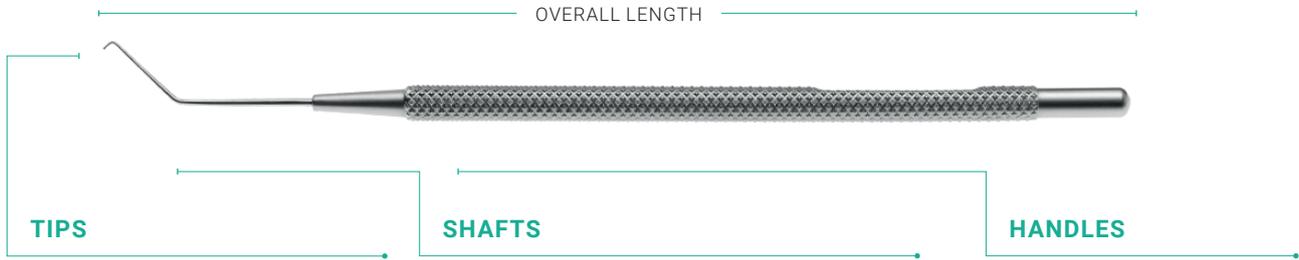
**Cross Action** - This forcep opens and closes tips by asserting and releasing pressure, offering micro control.



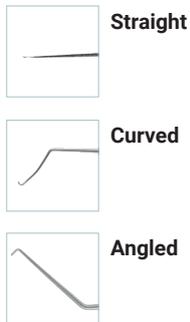
**Castroviejo** - This forcep is designed for good manual grip and control of the tip, but may require significant hand, wrist, or forearm movement.

# Instrument Specifications

## Manipulator



A wide range of tips are available, from manipulators to choppers.



### Single-ended

These instruments feature rotating handles that allow for micro control of the tip with minimal movement by rolling between the fingers.

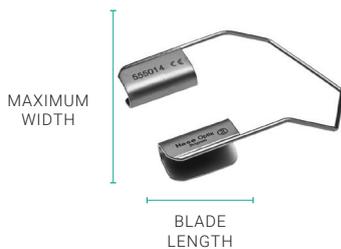


### Double-ended

These instruments allow you to combine two tips of your choice to create a double-ended manipulator/chopper, reducing the number of SKUs needed.

## Anatomy Speculums

### Non-adjustable



### Adjustable



### BLADE



**Open** - Allows good access for instruments e.g Phaco handpiece that might otherwise rest on the top bar of a closed blade making surgery difficult



**Closed** - Good hold on eyelids for procedures where the top bar does not cause a problem e.g trabeculectomy or temporal incision Phaco.



**V-shaped** - Open wire blades are designed to retain the surgical drape under the eyelids.



**Solid** - Holds eyelids securely.

### MODEL

**Size** - Different sizes are available (neonatal / infants/adults).

**Model** - Available in adjustable and non adjustable models.

**Approach** - Specific models are available for temporal or nasal approaches.

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

## Forceps

HA-551001



Toothed Forceps, Straight Shafts With 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm, 1x2 Teeth

HA-551175



Tying Forceps, Curved Shafts With 6mm Tying Platform, Flat Handle, 85mm

HA-551187



Colibri Toothed Forceps, Curved Shafts, Serrated Handle, 0.12mm, 1x2 Teeth

HA-551222



Jeweler Style Forceps, Angled 45°, 5#, Extra Delicate, 0.05x0.01mm Tip

HA-551235



Moorfields Forceps, Blunt Tipped Forceps For Manipulating The Conjunctiva

HA-651000



Capsulorhexis Forceps, Curved Thin Shafts, Flat Cross-Action Handle

HA-651002



Capsulorhexis Forceps, Curved Thin Shafts, Cross-Action, Round Knurled Handle

HA-651071



ICL Cartridge Loading Forceps, Cross-Action

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

## Forceps

HA-651072



ICL Forceps, 21g

HA-651141



Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle

HA-651143



Capsulorhexis Forceps, Curved Thin Shafts, Cross-Action Ripped Handle

HA-651147



Capsulorhexis Forceps, 45° Angled Thin Shafts, Round Knurled Handle

HA-651151



Capsulorhexis Forceps, 45° Angled Thin Shafts, Flat Handle, 85mm, Incision 1.8mm To 3.2mm

HA-651154



Capsulorhexis Forceps, Curved Thin Shafts, Flat Handle, 105mm, Incision 1.8mm To 3.2mm

HA-651161



Lenticule Removal Forceps, Serrated Jaws, Angled, Castroviejo Handle

HA-651160



Lenticule Extraction Forceps

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

## Micro Vitreoretinal Forceps

HA-556026



Vitreoretinal Forceps, Short End-Gripping Forceps (ilm), 23G

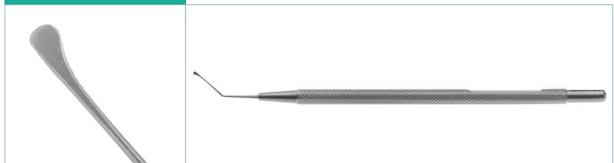
## Choppers, Manipulators, & Spatulas

HA-554007



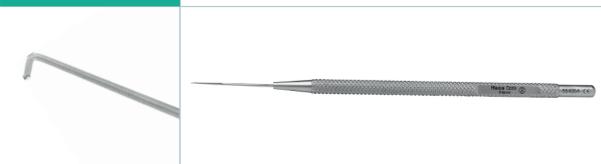
Lens Manipulator, Y Nucleus Rotator, Angled

HA-554012



Nucleus Manipulator, Paddle Shaped Tip

HA-554055



Phaco Chopper, Right Hand

HA-554059



Phaco Chopper, Curved Chopper With Two Faceted Chopping Surfaces

HA-554064



Phaco Chopper, Chopper And Manipulator In One

HA-654074



ICL Manipulator, Curved, 1.0mm diameter

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

HA-654094

Image not available

Double-Ended Manipulator, Femtolasik Flap Spatula

HA-654108



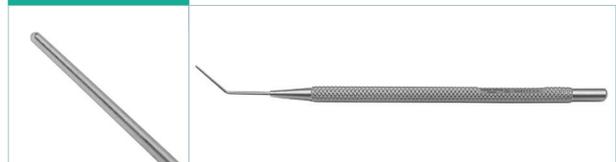
Lenticule Separator/Elevator

HA-654110



Double-Ended Manipulator Lund Iris Hook/Phaco Chopper

HA-654112



Cylinder Manipulator

HA-654113



Manipulator Govan

HA-654117



Double-Ended Manipulator, Drysdale/Mushroom

HA-654121



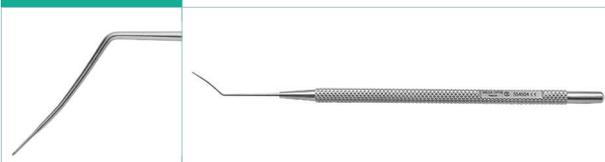
Manipulator Sinksey 1, 1mm Altitude, Tip 0, 2mm

HA-654124



Lasik Flap Lifter/Sinskey

HA-554504



Lasik Flap Lifter/Elevator Binder

HA-554082



Corneal Epithelium Spatula

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

## Scissors

HA-553014



Vannas Scissors, Curved, Sharp Pointed Tips,  
Tip To Pivot Length 10mm

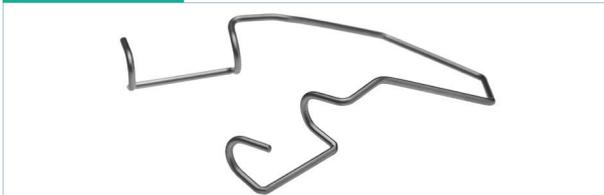
HA-653041



Iris Scissors Hasa Optix, Straight, Sharp

## Speculums

HA-555001



Kratz Barraquer Wire Speculum,  
13.5mm Open Blades

HA-555007



Wire Speculum, 14mm Open Blades

HA-555023



Lieberman Adjustable Speculum,  
V-Shaped Wire

HA-555028



Adjustable Speculum, Speculum,  
14mm Round Solid Blades

# Instruments

HASA OPTIX's most popular instruments are available in boxes of 10.

## Speculums

HA-655035



Speculum Lieberman Fine, Open Blades

HA-655038



Speculum Adjustable Fine Full Blades

HA-655041



Speculum Adjustable Full Rounded Blades

## Gauges

HA-558002



Mendez Degree Gauge, Calibrated Every 10 Degrees Form 0° To 180°, External Diameter 19.0mm,  $\varnothing$  12.0mm

## Markers

HA-558001



CK Lasik Marker, Target Centre, 10mm dia

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET001

SKU : HA-SET001



651141 Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001 Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



554012 Nucleus Manipulator, Paddle Shaped Tip - 1 pcs



653041 Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



655035 Lieberman Speculum, Fine, Open Blades - 1 pcs

## HA-SET002

SKU : HA-SET002



651141 Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001 Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



654120 Manipulator Sinskey 0, 7mm Altitude, Tip 0, 2mm - 1 pcs



653041 Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



555033 Adjustable Speculum, Lieberman Speculum, 13mm Open Blades - 1 pcs

## HA-SET003

SKU : HA-SET003



651141 Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001 Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



654090 Double Ended Manipulator, Agarwal Phaco Chopper/ Fukasaku Small Pupil Snapper - 1 pcs



653041 Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



655035 Lieberman Speculum, Fine, Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET004

SKU : HA-SET004

	651150	Capsulorhexis Forceps, 45° Angled Thin Shafts, Flat handle, 105mm, Incision 1.8mm to 3.2mm - 1 pcs
	551001	Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
	554012	Nucleus Manipulator, Paddle Shaped Tip - 1 pcs
	555001	Kratz Barraquer Wire Speculum, 13.5mm Open Blades - 1 pcs

## HA-SET005

SKU : HA-SET005

	651141	Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs
	551001	Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
	551175	Tying Forceps, Curved Shafts with 6mm Tying Platforms, Flat Handle, 85mm - 1 pcs
	654111	Double-Ended Manipulator Mushroom/Chopper - 1 pcs
	655040	Speculum Lieberman Open Rounded Blades - 1 pcs

## HA-SET006

SKU : HA-SET006

	651143	Capsulorhexis Forceps, Curved Thin Shafts, Cross-Action Serrated Handle - 1 pcs
	551001	Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
	551122	Notched Forceps, Straight Shafts with Tying Platforms, Flat Handle, 85mm, 0.25mm Notched - 1 pcs
	654111	Double-Ended Manipulator Mushroom/Chopper - 1 pcs
	655035	Lieberman Speculum, Fine, Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
 Speak to your Rayner representative for more information.

**HA-SET007** **SKU : HA-SET007**



- 651150** Capsulorhexis Forceps, 45° Angled Thin Shafts, Flat Handle, 105mm, Incision 1.8mm to 3.2mm - 1 pcs
- 551175** Tying Forceps, Curved Shafts with 6mm Tying Platforms, Flat Handle, 85mm - 1 pcs
- 654111** Double-Ended Manipulator Mushroom/Chopper - 1 pcs
- 655040** Speculum Lieberman Open Rounded Blades - 1 pcs

**HA-SET008** **SKU : HA-SET008**



- 651154** Capsulorhexis Forceps, Curved Thin Shafts, Flat Handle, 105mm, Incision 1.8mm to 3.2mm - 1 pcs
- 551001** Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
- 554063** Phaco Chopper, Angled Shaft, 1.6mm Tip, Right Hand - 1 pcs
- 655040** Speculum Lieberman Open Rounded blades - 1 pcs

**HA-SET009** **SKU : HA-SET009**



- 551122** Notched Forceps, Straight Shafts with Tying Platforms, Flat Handle, 85mm, 0.25mm Notched - 1 pcs
- 554063** Phaco Chopper, Angled Shaft, 1.6mm Tip, Right Hand - 1 pcs
- 555023** Lieberman Adjustable Speculum, V-Shaped - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET010

SKU : HA-SET010



651141

Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



551199

Kelman-McPherson Lens IOL Forceps, Angled Shafts, Flat Handle - 1 pcs



554012

Nucleus Manipulator, Paddle Shaped Tip - 1 pcs



654086

Double-Ended Manipulator Drysdale/Y-Pusher - 1 pcs



555007

Wire Speculum, 14mm Open Blades - 1 pcs

## HA-SET011

SKU : HA-SET011



651141

Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



554007

Lens Manipulator, Y Nucleus Rotator, Angled, Vertical - 1 pcs



654131

Double-Ended Manipulator, Drysdale/Sinskey - 1 pcs



653041

Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



555015

Barraquer Solid Speculum, 14.5mm Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET012

SKU : HA-SET012



651147

Capsulorhexis Forceps, 45° Angled Thin Shafts, Round Knurled Handle - 1 pcs



551049

Colibri Toothed Forceps, Curved Shafts With 5mm Tying Platforms, Flat Handle, 0.10mm, 1x2 Teeth - 1 pcs



551199

Kelman-McPherson Lens IOL Forceps, Angled Shafts, Flat Handle - 1 pcs



554012

Nucleus Manipulator, Paddle Shaped Tip - 1 pcs



654087

Double-Ended Manipulator Cylinder/Y-Pusher - 1 pcs



555007

Wire Speculum, 14mm Open Blades - 1 pcs

## HA-SET013

SKU : HA-SET013



651147

Capsulorhexis Forceps, 45° Angled Thin Shafts, Round Knurled Handle - 1 pcs



551049

Colibri Toothed Forceps, Curved Shafts With 5mm Tying Platforms, Flat Handle, 0.10mm, 1x2 Teeth - 1 pcs



554007

Lens Manipulator, Y Nucleus Rotator, Angled, Vertical - 1 pcs



654131

Double-Ended Manipulator, Drysdale/Sinskey - 1 pcs



653041

Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



555015

Barraquer Solid Speculum, 14.5mm Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET014

SKU : HA-SET014



551187

Colibri Toothed Forceps, Curved Shafts, Serrated Handle, 0.12mm 1x2 teeth - 1 pcs



551199

Kelman-McPherson Lens IOL Forceps, Angled Shafts, Flat Handle - 1 pcs



654104

Double Ended Manipulator, Fukasaku Small Pupil Snapper / Cilinder - 1 pcs



653041

Iris scissors HASA OPTIX, Straight, Sharp - 1 pcs



555007

Wire Speculum, 14mm Open Blades - 1 pcs

## HA-SET015

SKU : HA-SET015



651141

Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



654111

Double-Ended Manipulator Mushroom/Chopper - 1 pcs



555022

Adjustable Speculum, Swivel Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET016

SKU : HA-SET016

	<b>651151</b>	Capsulorhexis Forceps, 45° Angled Thin Shafts, Flat Handle, 85mm, Incision 1.8mm to 3.2mm - 1 pcs
	<b>551025</b>	Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Castroviejo Handle, 0.12mm, 1x2 Teeth - 1 pcs
	<b>551199</b>	Kelman-McPherson Lens IOL Forceps, Angled Shafts, Flat Handle - 1 pcs
	<b>554008</b>	Lens Manipulator V-Shaped Tip, Angled - 1 pcs
	<b>554015</b>	Nucleus Manipulator, Connor Wand, Angled, Round - 1 pcs
	<b>654086</b>	Double-Ended Manipulator Drysdale/Y-Pusher - 1 pcs
	<b>553039</b>	Eye Scissors, Straight, Blunt Ended, 90mm - 1 pcs
	<b>555023</b>	Lieberman Adjustable Speculum, V-Shaped Wire - 1 pcs

## HA-SET017

SKU : HA-SET017

	<b>651141</b>	Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs
	<b>551001</b>	Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
	<b>551187</b>	Colibri Toothed Forceps, Curved Shafts, Serrated Handle, 0.12mm 1x2 teeth - 1 pcs
	<b>551206</b>	Akahoshi Prechopper Forceps, Cross-Action, 10mm Angled Shafts - 1 pcs
	<b>554063</b>	Phaco Chopper, Angled Shaft, 1.6mm Tip, Right Hand - 1 pcs
	<b>654098</b>	Sinskey Hook, Straight - 1 pcs
	<b>555001</b>	Kratz Barraquer Wire Speculum, 13.5mm Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET019

SKU : HA-SET019



651141

Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



551175

Tying Forceps, Curved Shafts with 6mm Tying Platforms, Flat Handle, 85mm - 1 pcs



653042

Iris Scissors HASA OPTIX, Curved, Sharp - 1 pcs



655035

Lieberman Speculum, Fine, Open Blades - 1 pcs

## HA-SET022

SKU : HA-SET022



651150

Capsulorhexis Forceps, 45° Angled Thin Shafts, Flat Handle, 105mm, Incision 1.8mm to 3.2mm - 1 pcs



551187

Colibri Toothed Forceps, Curved Shafts, Serrated Handle, 0.12mm 1x2 teeth - 1 pcs



654117

Double-Ended Manipulator Drysdale/Mushroom - 1 pcs



654120

Manipulator Sinskey 0, 7mm Altitude, Tip 0, 2mm - 1 pcs



653041

Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



555017

Wire Speculum, 14mm Open Blades - 1 pcs



558002

Mendez Degree Gauge, Calibrated every 10 degrees from 0° to 180° - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET023

SKU : HA-SET023



651141

Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle -1 pcs



655035

Lieberman Speculum, Fine, Open Blades- 1 pcs



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



653041

Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



654086

Double-Ended Manipulator Drysdale/Y-Pusher - 1 pcs

## HA-SET024

SKU : HA-SET024



651075

IOL Cutting Forceps, 23G



653059

IOL Cutting Scissors 19G

## HA-SET026

SKU : HA-SET026



654124

LASIK Flap Lifter / Sinskey



654094

Double-Ended Manipulator, FemtoLASIK Flap Spatula



654108

Lenticule Separator / Elevator

## HA-SET028

SKU : HA-SET028



551001

Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs



554012

Nucleus Manipulator, Paddle Shaped Tip - 1 pcs



653041

Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



655035

Lieberman Speculum, Fine, Open Blades - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
Speak to your Rayner representative for more information.

## HA-SET032

SKU : HA-SET032



651143

Capsulorhexis Forceps, Curved Thin Shafts, Cross-Action Serrated Handle - 1 pcs



554013

Nucleus Mushroom Manipulator, For Iris Retraction



655040

Speculum Lieberman Open Rounded blades



551187

Colibri Toothed Forceps, Curved Shafts, Serrated Handle, 0.12mm 1x2 teeth - 1 pcs

## HA-SET033

SKU : HA-SET033



651161

Lenticule Removal Forceps, Serrated Jaws, Angled



654108

Lenticule Separator/Elevator



551175

Tying Forceps, Curved Shafts with 6mm Tying Platforms, Flat Handle, 85mm - 1 pcs



555031

Lindstrom-Chu Aspirating Speculum

## HA-SET036

SKU : HA-SET036



654111

Double-Ended Manipulator Mushroom/Chopper - 1 pcs



555001

Kratz Barraquer Wire Speculum, 13.5mm Open Blades - 1 pcs



553039

Eye Scissors Straight Blunt Ended, Overall length 90mm - 1 pcs



651150

Capsulorhexis Forceps, 45° angled thin shafts, Flat handle - 1 pcs



551122

Notched Forceps, Straight shafts with tying platforms, Flat handle - 1 pcs

# Cataract Sets

Rayner offers 26 HASA OPTIX premium single use instrument sets.  
 Speak to your Rayner representative for more information.

**HA-SET037** **SKU : HA-SET037**

- 

**651141** Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs
- 

**551001** Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
- 

**555001** Kratz Barraquer Wire Speculum, 13.5mm Open Blades - 1 pcs
- 

**654112** Manipulator Cylinder - 1 pcs

**HA-SET038** **SKU : HA-SET038**

- 

**651141** Capsulorhexis Forceps, Curved Thin Shafts, Round Knurled Handle - 1 pcs
- 

**551001** Toothed Forceps, Straight Shafts with 5mm Tying Platforms, Flat Handle, 85mm, 0.12mm 1x2 Teeth - 1 pcs
- 

**555001** Kratz Barraquer Wire Speculum, 13.5mm Open Blades - 1 pcs
- 

**654073** ICL Manipulator, Angled 1.0mm

**HA-SET039** **SKU : HA-SET039**

- 

**651143** Capsulorhexis Forceps, Curved Thin Shafts, Cross-Action Serrated Handle - 1 pcs
- 

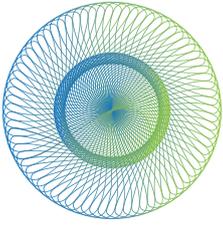
**551083** Kelman-Mcpherson Forceps, Angled shafts with 5mm tying platforms, Flat handle - 1 pcs
- 

**551242** Gillis Tissue Forceps 0.30mm - 1pcs
- 

**554013** Nucleus Manipulator for Iris Retraction - 1 pcs
- 

**654111** Double-Ended Manipulator Mushroom/Chopper
- 

**653041** Iris Scissors HASA OPTIX, Straight, Sharp - 1 pcs



**HASA OPTIX**  
Belgium

Join us to simplify  
ophthalmic surgery

Distributed by  **Rayner**

Please visit [rayner.com/hasa](https://rayner.com/hasa) or contact your local Rayner representative for more information

The HASA Optix App is available  
on Google Play & App Store

CLICK BELOW TO DOWNLOAD



©2024 Rayner Group, all rights reserved. Rayner and the Rayner logo are proprietary marks of Rayner.  
HASA OPTIX is property of its respective owner. EC 2024-38 04/24