



OPHTALMO

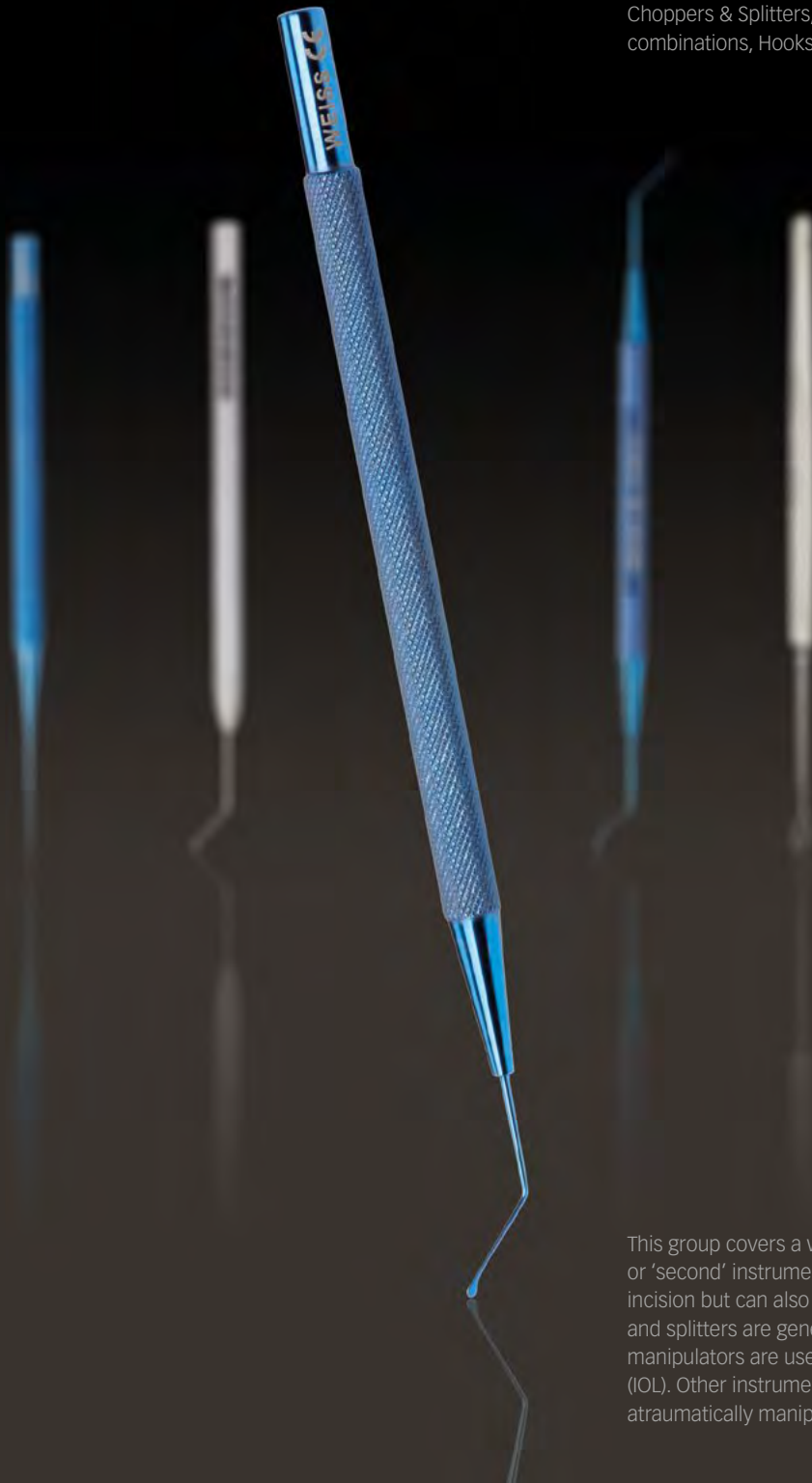


Choppers-Manipulators

THIS IS WHAT THE FUTURE LOOKS LIKE

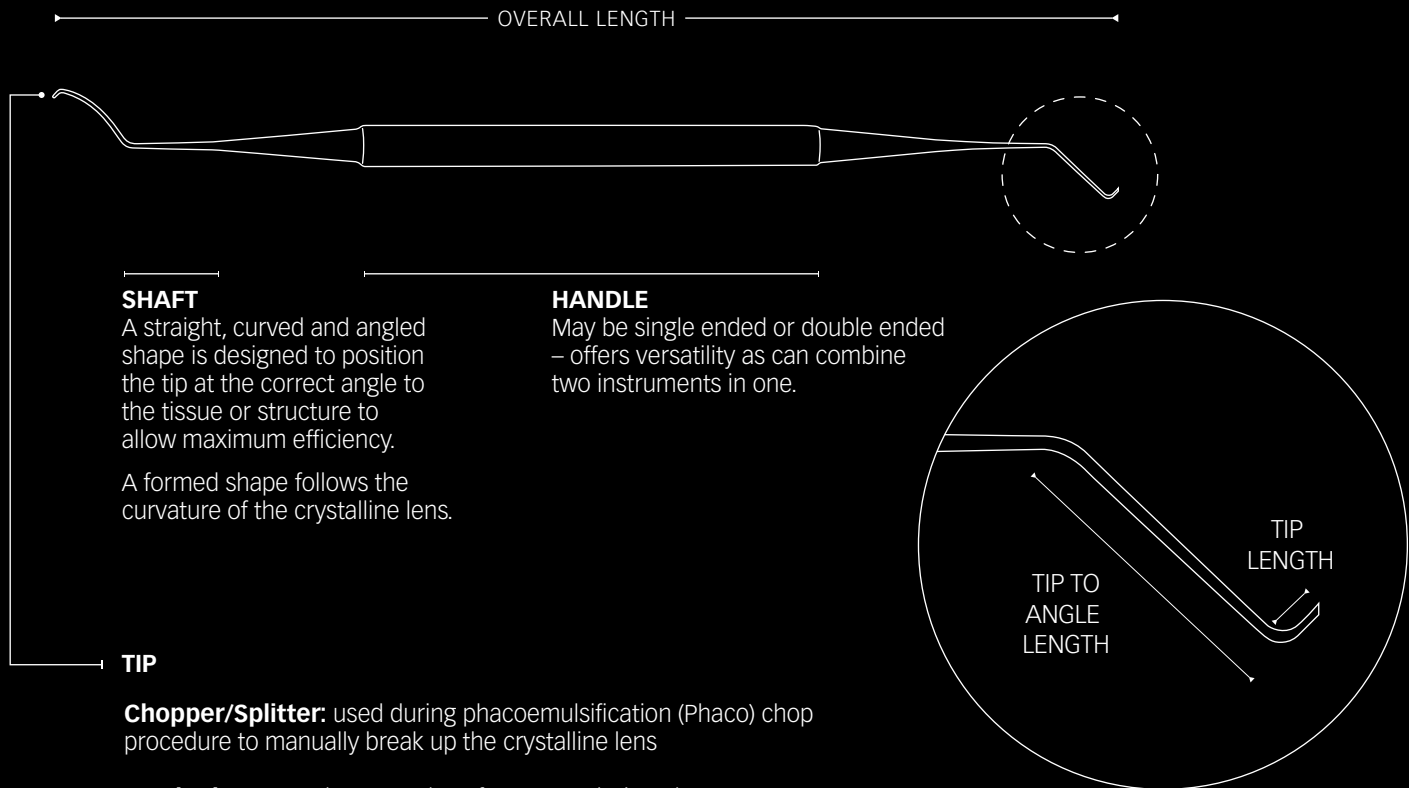
Choppers & Manipulators

Choppers & Splitters, Manipulators, Spatula / Repositors, Double ended combinations, Hooks, Vectis



This group covers a wide variety of instruments commonly called 'side port' or 'second' instrument. They are mainly used through the paracentesis incision but can also be used through the principle incision. Choppers and splitters are generally used to break up the crystalline lens while manipulators are used to move lens fragments or the intraocular lens (IOL). Other instruments that are of a similar design are hooks, used to atraumatically manipulate the lens or capsular bag; and vectis.

Chopper and Manipulator anatomy



SHAFT

A straight, curved and angled shape is designed to position the tip at the correct angle to the tissue or structure to allow maximum efficiency.

A formed shape follows the curvature of the crystalline lens.

HANDLE

May be single ended or double ended – offers versatility as can combine two instruments in one.

TIP

Chopper/Splitter: used during phacoemulsification (Phaco) chop procedure to manually break up the crystalline lens

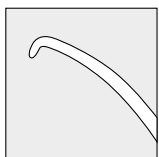
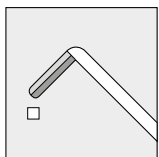
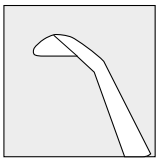
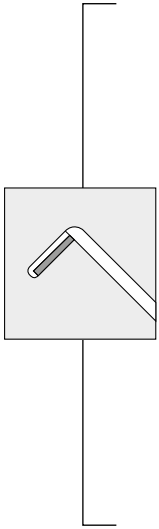
Manipulator: used to move lens fragments during Phaco

Dialer: used to position the Intraocular lens implant (IOL)

Hook (micro): designed to 'push' or 'pull' the iris or lens capsule

Vectis: a traditional instrument designed to support the crystalline lens and aid with its removal during intracapsular cataract extraction procedure

Repositor: used to reposition tissue, usually iris. May also be used to separate adhesions (synechia) between the iris and lens capsule.



0109301 Ti

Phaco chopper, angled with 1mm blade, 10mm tip to angle, overall length 112mm



0109302 Ti

Phaco chopper, angled with a 1mm 30° left, offset blade. 10mm tip to angle, overall length 112mm



0109304 Ti

Koch phaco chopper, angled with a 1mm blade. 10mm tip to angle, overall length 110mm



0109310 Ti

Phaco chopper, angled with an extra long 1.5mm blade. 10mm tip to angle, overall length 115mm



0109314 Ti

Green's phaco chopper, angled, **for right handed use**. 10mm tip to angle, overall length 115mm.

0109314L Ti

Green's phaco chopper, angled, **for left handed use**. 10mm tip to angle, overall length 115mm



0109305 Ti

Stevens phaco chopper, angled with a dual forward and rear cutting blade. 10mm tip to angle, overall length 120mm



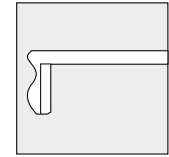
0109318 Ti

Spalton phaco chopper, angled. 8mm tip to angle, overall length 112mm

Choppers & Splitters

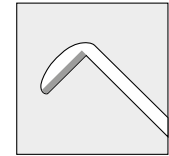
0109300 **Ti**

Small pupil phaco chopper, angled.
10mm tip to angle, overall length 112mm



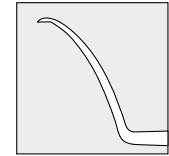
0109225 **Ti**

Nucleus splitter, angled. 10mm tip to angle,
overall length 112mm



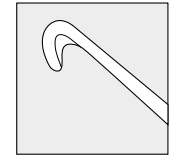
0109227 **Ti**

Tamblyn nucleus splitter/ manipulator, angled.
10mm tip to angle, overall length 118mm



0105138 **SS**

Phaco cleaver, angled. 10mm tip to angle,
overall length 125mm



0105140 **SS**

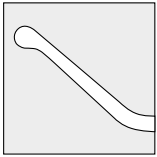
Akahoshi hybrid pre-chopper, straight,
overall length 123mm



0105141 **SS**

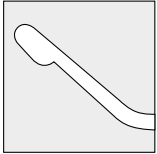
Akahoshi combo pre-chopper, straight,
overall length 123mm





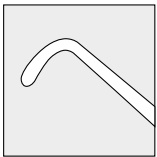
0109222 Ti

Drysdale nucleus manipulator, angled with a paddle tip. 11mm tip to angle, overall length 112mm



0109220 Ti

Rosen nucleus manipulator, angled with a paddle tip. 10mm tip to angle, overall length 120mm

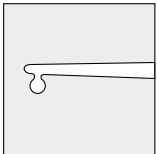


0109226 Ti

Microfinger angled, for **right** handed use. 10mm tip to angle, overall length 118mm

0109226L Ti

Microfinger angled, for **left** handed use. 10mm tip to angle, overall length 118mm



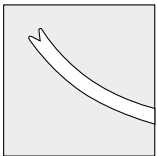
0109218 Ti

Lester lens pusher, straight, overall length 118mm



0109219 Ti

Lester lens pusher, angled. 10mm tip to angle, overall length 118mm



0109306 Ti

Joyce manipulator, curved with a horizontal groove in tip, overall length 120mm

Manipulators

0105132 **SS**

Kuglen lens manipulator, straight,
overall length 122mm



0105133 **SS**

Kuglen lens manipulator, angled. 10mm tip to angle,
overall length 120mm



0109229 **Ti**

Kuglen lens manipulator, straight,
overall length 115mm



0109230 **Ti**

Kuglen lens manipulator, angled. 10mm tip to angle,
overall length 115mm



0105135 **SS**

Graether collar button manipulator, angled.
10mm tip to angle, overall length 120mm



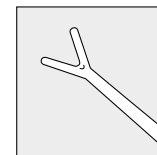
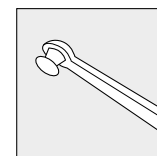
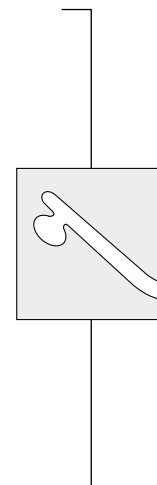
0109231 **Ti**

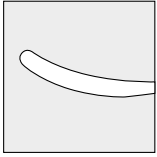
Jaffe-Bechert nucleus rotator, angled with a
horizontal 'Y' tip. 10mm tip to angle, overall length
115mm



0105155 **SS**

Jaffe-Bechert nucleus rotator, angled with a vertical
'Y' tip. 8mm tip to angle, overall length 110mm





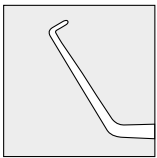
0105136 **SS**

Koch manipulator, curved with smooth, flat tip, overall length 115mm



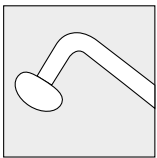
0109224 **Ti**

Koch manipulator, curved with smooth, flat tip, overall length 115mm



0109319 **Ti**

Spalton reverse dialler, angled. 10mm tip to angle, overall length 115mm

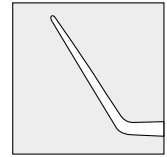


0109316 **Ti**

Mushroom manipulator, angled. 10mm tip to angle, overall length 115mm

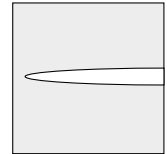
0106051 **SS**

Gimble spatula angled with 0.25mm diameter smooth, flat tip. 10mm tip to angle, overall length 128mm



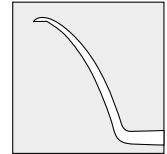
0106004 **SS**

Nettleship iris reposer, straight, overall length 130mm



0109212 **Ti**

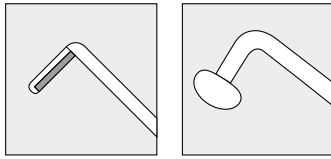
Iris reposer, angled. 14mm tip to angle, overall length 116mm



0106023 **SS**

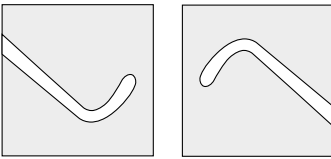
Troutman cyclodialysis spatula, angled. 15mm tip to angle, overall length 95mm





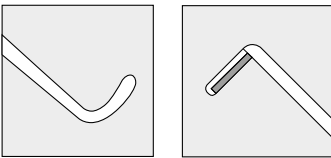
0109527 **Ti**

Raj phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 125mm



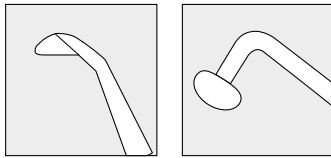
0109228 **Ti**

Microfinger for left hand plus microfinger for right hand, angled. 10mm tip to angle, overall length 145mm



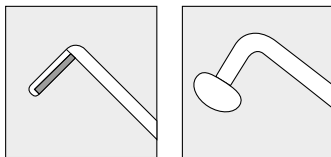
0109309 **Ti**

Microfinger and phaco chopper, angled. 10mm tip to angle, overall length 135mm



0109312 **Ti**

Green's phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 132mm



0109317 **Ti**

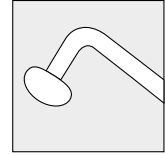
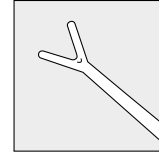
Phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 135mm

Note: bespoke double ended variations may be available to order

Double ended combinations

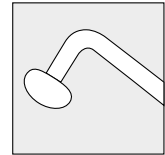
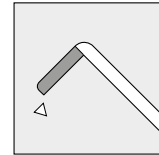
0109315 **Ti**

Jaffe-Beichert 'Y' rotator and mushroom manipulator, angled. 8mm tip to angle, overall length 135mm



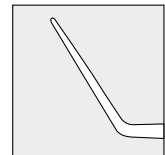
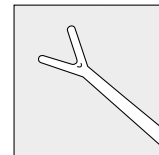
0109308 **Ti**

Triple chopper with 3 cutting edges and mushroom manipulator, angled. 10mm tip to angle, overall length 135mm



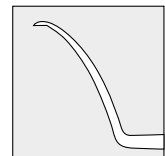
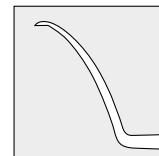
0109307 **Ti**

Nucleus rotator with 'Y' tip and flat rotator, angled. 10mm tip to angle, overall length 140mm

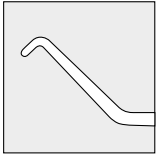


0106042 **SS**

Castroviejo cyclodialysis/synechia spatula, angled. 10mm x 0.5mm blade and 0.5mm x 15mm blade, overall length 130mm

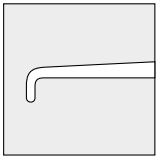


Note: bespoke double ended variations may be available to order



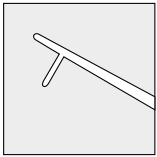
0109214 **Ti**

Sinskey dialing hook, angled. 10mm tip to angle, overall length 120mm



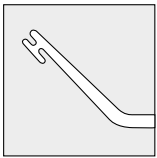
0105109 **SS**

Sinskey dialing hook, angled. 10mm tip to angle, overall length 115mm



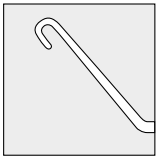
0109216 **Ti**

Sinskey dialing hook, straight, overall length 120mm



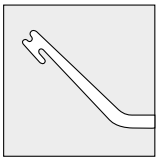
0105107 **SS**

Sinskey dialing hook, straight, overall length 115mm



0109232 **Ti**

Fenzl hook, angled with 2mm hook. 10mm tip to angle, overall length 115mm



0109217 **Ti**

Hirshman iris hook, angled. 10mm tip to angle, overall length 120mm



0109215 **Ti**

Iris hook, angled. 10mm tip to angle, overall length 117mm



0109233 **Ti**

Makool capsule retractor and guide, angled. 13mm tip to angle, overall length 120mm

Hooks

0105072 **SS**

Graefe strabismus hook, straight with 5mm small hook, overall length 138mm



0105073 **SS**

Graefe strabismus hook, straight with 8mm medium hook, overall length 138mm



0105074 **SS**

Graefe strabismus hook, straight with 10mm large hook, overall length 138mm



0105075 **SS**

Moorfields strabismus hook, straight with 8mm hook, overall length 138mm



0105082 **SS**

Maidstone oculoplastic hook for lateral canthoplasty with fenestration at tip. 13mm hook, overall length 138mm



0105080 **SS**

Assaf muscle hook, adult, flat grooved 7mm hook, overall length 145mm



0105081 **SS**

Assaf muscle hook, child, flat grooved 5mm hook, overall length 145mm



**0114232** **SS**

Lens expressor, angled on flat, rounded tip.
10mm tip to angle, overall length 145mm

**0105102** **SS**

Kilner hook, straight with a 3mm sharp pointed
hook, overall length 140mm

**0202352** **SS**

Gilles skin hook small, straight with a 3mm sharp
pointed hook, overall length 185mm

**0202354** **SS**

Gilles skin hook large, straight with a 4mm sharp
pointed hook, overall length 185mm

Vectis

0108062 **SS**

Snellen vectis, straight with 8.5mm x 2.5mm oval, overall length 140mm



0108063 **SS**

Bell Taylor vectis, straight with 7.0mm x 4.5mm oval, overall length 140mm



0108064 **SS**

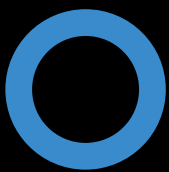
Landolt vectis, straight with 5.5mm x 4mm oval, overall length 125mm



0108070 **SS**

Narrow vectis, straight with 7.5mm x 2.5mm oval, overall length 138mm





OPHTALMO
THIS IS WHAT THE FUTURE LOOKS LIKE

- SURGICAL
- CONSUMABLES
- MEDICAL DEVICE