

Choppers for Every Technique

Horizontal Choppers

Nagahara Chopper: 2515 (90°), AE-2517 (60°), AE-2517L (60°, L-hand)

- 60° sharp edge cuts in the same direction as the phaco handpiece
- 90° sharp edge cuts toward the side port



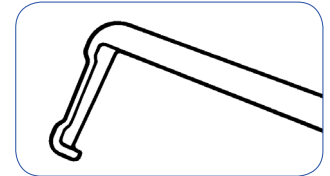
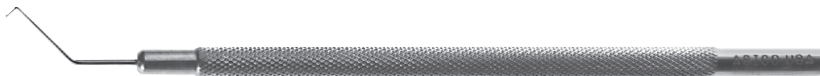
Phaco Chopper: AE-2517A

45° hook with 60° cutting edge



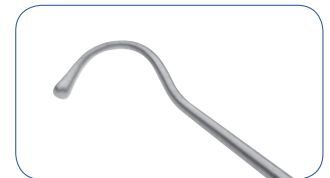
Olson Chopper: AE-2527, AE-2527(L-hand)

- 60° sharp edge cuts in the same direction as the phaco handpiece
- Rounded, blunt side protects the posterior capsule
- Groove on blunt side used to retract iris



Koch-Minami Chopper: AE-2528

- 60° sharp edge cuts in the same direction as the phaco handpiece
- Rounded, blunt side protects the posterior capsule
- Groove on blunt side used to retract iris



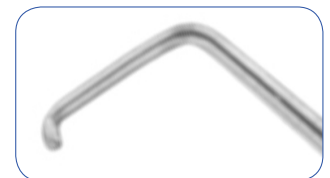
Miyoshi Chopper: AE-2532

- Designed to completely separate the posterior plate with minimal movement
- Smooth, rounded tip and shorter 1.25mm cutting edge will not damage posterior capsule



Inamura Race Chopper: AE-2534

- Designed to rotate the nucleus in a counter-clockwise direction
- Angled tip used to elevate the nucleus away from the posterior capsule toward the phaco tip



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Horizontal Choppers



Charles Ahn, MD
Downers Grove, Illinois

“The Nagahara-Ahn Chopper has a slight modification to the popular Nagahara Chopper allowing the surgeon to better engage the iris in cases of floppy iris syndrome for both protection and exposure.”



Nagahara-Ahn Small Pupil Chopper: AE-2544

- Modified Nagahara Chopper with shorter, 1.25mm inner cutting-edge for small pupils or floppy iris syndrome
- Notch on the blunt side used to retract pupil or iris



Minami M Hook: AE-2523

- Chopper, splitter, dissector, pupil or floppy iris syndrome
- Tip used for dividing and manipulating nucleus material from all directions in the capsule



Asami Chopper: AE-2575

- This chopper can be used as Chopper and Divider
- Features 1.5mm tip



Crandall-Nagahara Chopper: AE-2576

- Features a 60 Degrees inside cutting edge
- Unique 110 Degrees angled tip allows better visibility during phacoemulsification



Asami Chopper II: AE-2577

- This chopper can be used as Chopper and Divider
- Shorter tip allows easy manipulation of nucleus



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Rosen Phaco Splitter: AE-2578

- Wedge shaped inferior edge with blunt tip



Crandall Chopper: AE-2579

- Rounded, blunt, olive-tip and offset inferior wedge



Vertical Choppers

Nagahara Karate Chopper: AE-2529

- Designed for nuclei grades 3+
- Spear tip with internal cutting edge easily cracks and divides the nucleus into quadrants prior to phacoemulsification



Nagahara Quick Chopper: AE-2533

- Broad tip facilitates efficient chopping prior to and during phacoemulsification



Lane Quick Chopper: AE-2537

- Broad "axe" tip easily chops both hard and soft nuclei in a controlled manner
- Thin sides can act as a horizontal chopper after initial penetration



Fonseka Chopper: AE-2572

- Unique tip features a groove which allows to chop, pivot and penetrate dense nuclei (grades 3-5)
- Works as both a vertical and horizontal chopper and the notch at the front of the chopper can be used to retract small pupils

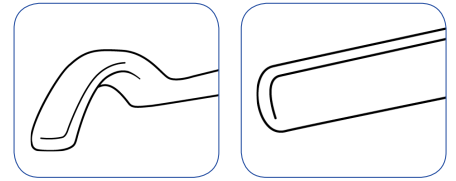


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Double Ended Choppers

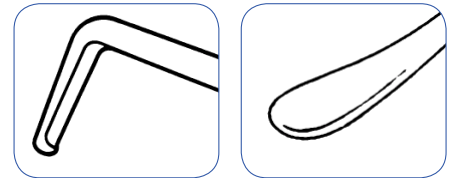
Lieberman Microfinger: AE-2518

- “Microfinger” stabilizes, positions, retracts, and lifts the entire lens away from the posterior capsule
- Iris spatula can be used to manipulate through out surgery



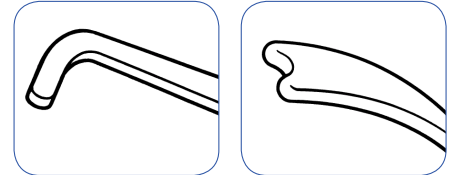
Nagahara Chopper & Koch Spatula: AE-2520

- 60° Nagahara on one end to chop towards phaco handpiece
- Koch spatula pushes, lifts, rotates, and dissects



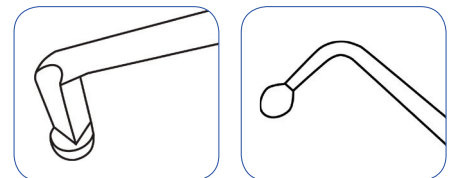
Friedman Chopper & Koch Spatula: AE-2524

- Double-cutting surface on chopper for efficient chopping
- Koch spatula pushes, lifts, rotates, and dissects



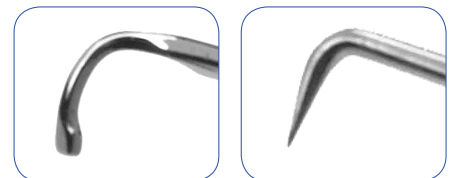
Lubeck Chopper & Sustainer: AE-2546

- 60° Nagahara on one end to chop towards phaco handpiece
- Akahoshi sustainer on the other end to rotate and manipulate the lens



Chang Combo Chopper: AE-2573

- Sharp vertical tip ideal for incising brunescant nuclei
- Modified “Microfinger” for chopping

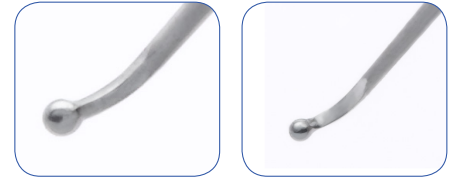


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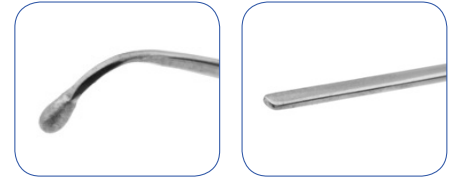
Aguilar Chopper: AE-2571

- Can be used for soft and hard nucleus



Espiritu-Caparas Chopper: AE-2574

- Verges-style horizontal chopper on one end
- 0.8mm spatula on other end



Femtosecond Choppers

Slade Femtosecond Ball Chopper: AE-2324

- The ball chopper provides an ideal way to chop the femtochopped nucleus
- The shaft is curved to precisely clear the surface of the nucleus for maximum efficiency
- The ball tip can easily slip segments as well



Nagy Femto Chopper: AE-2559

- Nagy chopper allows to crack the nucleus along the fragmentation lines created by laser



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