

**Pulsar<sup>2</sup>**  
*Minimal Stress*

**ACCESSORIES**



**OPTIKON™**  
Man and Technology

■ **FORCEPS**



■ **116006** Capsulorhexis forceps

■ **PROBES**



■ **114303** Irrigating nucleus manipulator



■ **114304** Irrigating chopper

■ **HANDPIECES**



■ **113101** "Slim 4" Phaco handpiece



■ **116005** Adapter for single-use handpiece (2 crystals, sterile, 5 pcs, requires adaptor REF 116005)

INC*	5°	30°	45°	Diaphragm tip	Progressive tip
3.2	<b>191311</b>	<b>191313</b>	<b>191314</b>	<b>191315</b>	<b>191316</b>

■ **116005** Adapter for single-use handpiece



■ **TIPS**



■ 19G Standard Phaco tip

INC*	5°	15°	30°	45°	Sleeve
3.2	<b>113201</b>	<b>113202</b>	<b>113203</b>	<b>113204</b>	<b>113301-113303</b>



■ 19G Kawano double claw Phaco tip

INC*	15°	30°	Hybrid	Sleeve
3.2	<b>113212</b>	<b>113213</b>	<b>113214</b>	<b>113301-113303</b>



■ 19G Pezzola diaphragm Phaco tip

INC*	30°	Sleeve
3.2	<b>113218</b>	<b>113301-113303</b>



■ 20G Standard Phaco tip

INC*	5°	15°	30°	45°	Sleeve
2.8	<b>113234</b>	<b>113205</b>	<b>113206</b>	<b>113207</b>	<b>113308-113304</b>



■ 20G Carbon coat + diaphragm Phaco tip

INC*	5°	15°	30°	Angled	Sleeve
1.5	<b>113219</b>	<b>113220</b>	<b>113221</b>	<b>113222</b>	No sleeve: bimanual phaco



■ 19G Biconical Phaco tip

INC*	15°	Sleeve
3.2	<b>113228</b>	<b>113301</b>



■ 20G Biconical Phaco tip

INC*	15°	Sleeve
2.8	<b>113230</b>	<b>113308</b>



■ 21G Biconical Phaco tip

INC*	15°	Sleeve
2.3	<b>113233</b>	<b>113307</b>



■ Standard Phaco tip 21G\*\*

INC*	5°	15°	30°	Sleeve
2.3	<b>113235</b>	<b>113236</b>	<b>113237</b>	<b>113307</b>



■ 19G Bordin "High Followability" Phaco tip

INC*	Sleeve
3.2	<b>113232</b> <b>113301</b>



■ 20G Bordin "High Followability" Phaco tip

INC*	Sleeve
2.8	<b>113229</b> <b>113308</b>



■ 22G Carbon coat + diaphragm Phaco tip

INC*	5°	30°	45°	Progressive	Sleeve
1.0	<b>113208</b>	<b>113209</b>	<b>113210</b>	<b>113211</b>	No sleeve: bimanual Phaco



■ **113217** Pars plana Phaco tip

■ **SLEEVES**



■ **113301** Silicone sleeve for 19G U/S tips (3pcs), incision size 3.2 mm



■ **113308** Silicone sleeve for 20G U/S tips (3pcs), incision size 2.8 mm



■ **113307** Silicone sleeve for 21G U/S tips (3pcs), incision size 2.3 mm



■ **113303** PTFE sleeve for 19G U/S tips, incision size 3.2 mm (3pcs)

■ **113304** PTFE sleeve for 20G U/S incision size 2.8 mm

■ **ACCESSORIES**



■ **116001** Test chamber (2pcs)



■ **113401** Phaco tip wrench



■ **113402** Phaco tip wrench



■ **191004** Kiss (Kawano Irrigation Surge Suppressor), single-use (20 pcs)



\* Recommended Incision Size: mm

\* Recommended Incision Size: mm  
\*\* Suggested for peristaltic pump only



PROBES CANNULAS HANDPIECES TUBING

PROBES



114301 Irrigation probe for bimanual technique



114302 Aspiration probe for bimanual technique

CANNULAS



19G I/A cannula with silicone sleeve

	INC*	
Straight	3.2	114201
Angled	3.2	114203



20G I/A cannula with silicone sleeve

	INC*	
Straight	2.8	114216
Angled	2.8	114217



21G I/A cannula with silicone sleeve

	INC*	
Straight	2.3	114218
Angled	2.3	114219



I/A cannula with metal sleeve

	INC*	
Straight	3.2	114205
Angled	3.2	114207



114211 12 o'clock I/A cannula, metal sleeve, incision size 3.0 mm



114212 90° I/A cannula, metal sleeve, incision size 3.0 mm

HANDPIECES



114101 I/A handpiece, long barrel



114102 I/A handpiece, short barrel

TUBING



191001 Minimal IOP forced irrigation kit, single-use (10pcs)



191703 Cassette I/A tubing set for Pulsar² (10pcs)



117004 I/A tubing set for Pulsar² (to be used with cod. 191704)



191704 Cassette with collection bag for Pulsar² (10pcs)

On demand single-use phaco packs for Pulsar², (10pcs) including I/A tubing set for Pulsar², screen cover, Mayo drape, test chamber, sleeve (to customer choice).

\* Recommended Incision Size: mm

VITREOUS CUTTERS/MICROSCISSORS FIBER OPTICS IRRIGATION SYSTEMS MISCELLANEA

RETINAL SURGERY 20G



114401 Sleeve for anterior vitreous cutter (3 pcs)



123002 Anterior vitrectomy probe, with silicone sleeve



123001 20G high speed posterior vitrectomy probe



123005 20G microscissors, 45°



192301 20G high speed vitrectomy probe, single-use (5pcs)

FIBER OPTICS



128101 20G endoillumination probe



192801 20G endoillumination probe, single-use (5pcs)

192802 20G wide angle endoillumination probe single-use (5pcs)



192803 20G endoillumination probe multi-port for adapter, single-use (5pcs)

192806 20G wide angle endoillumination probe multi-port for adapter, single-use (5pcs)

IRRIGATION SYSTEMS



124001 20G scleral infusion cannula, angled, 3 mm

124002 20G scleral infusion cannula, angled, 4 mm

124003 20G scleral infusion cannula, 6 mm, beveled tip



129008 Aspiration handpiece



129009 20G cannula for retinal manipulation



192521 20G scleral infusion cannula/silicone tube/stopcock, single-use (10pcs)

MISCELLANEA



128904 Three-way adapter (halogen light source)



128905 Two-way adapter (Xenon light source)



124006 19/20G scleral plug (4pcs) with holder

18 G – 20 G

MISCELLANEA



192804 18G trocar w/endoillumination irrigation multi-port for adapter, single-use (5pcs)



192805 20G trocar with endoillumination multi-port for adapter, single-use (5pcs)

23 G

VITREOUS CUTTERS/MICROSCISSORS



123007 23G microscissors, 45°



123010 23G high speed posterior vitrectomy probe

IRRIGATION SYSTEMS



129014 23G Vitrectomy Kit (Including 3 blunt insertors, 3 scleral guides, 3 plugs, 1 infusion cannula with silicone tube, 1 sterilization tray)

124013 Reusable infusion tube for 23G Vitrectomy Kit (3pcs)

TRANS-CONJUNCTIVAL INSTR.



123011 23G serrated jaw microforceps



123012 23G end gripping microforceps



124014 23G angled pic for scleral guides



129006 Charles handpiece



129011 23G aspiration cannula



129016 Forceps for 23G scleral guides/plugs



129017 Pressure plate for conjunctiva



129019 Luer adapter for single-use cannula



192303 23G high speed vitrectomy probe, single-use (5pcs)

FIBER OPTICS



192807 23G standard illumination probe M/port, single-use (5pcs)

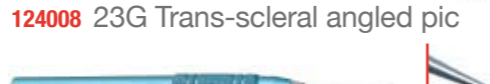


192809 23G wide angle illumination probe M/port, single-use (5pcs)

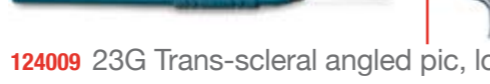
TRANS-SCLERAL INSTR.



124008 23G Trans-scleral angled pic



124009 23G Trans-scleral angled pic, long



124010 23G Trans-scleral angled pic, pointed



124011 23G Trans-scleral round incision sclerotome



124012 23G Trans-scleral infusion cannula, 4 mm

25 G

TRANS-CONJUNCTIVAL INSTRUMENTS



192302 25G high speed vitrectomy probe, single-use (5pcs)



192201 25G trocar kit, single-use (5pcs)



123013 25G end gripping microforceps



123014 25G serrated jaw microforceps



124015 25G Angled pic for scleral guides

FIBER OPTICS



192808 25G endoillumination probe multi-port for adapter, single-use (5pcs)

COAXIAL ILLUMINATED INSTRUMENTS



123006 High speed vitrectomy probe for coaxial illumination



123007 Microscissors, 45°, for coaxial illumination



128102 20G illuminator for vitrectomy probe/microscissor



123008 Serrated jaw microforceps for coaxial illumination



123009 End gripping microforceps for coaxial illumination



128103 20G illuminator for microforceps



128104 20G Illumination probe for pics



128201 20G tapered spatula for illumination probe



128202 20G bent pic for illumination probe



128203 20G hooked pic for illumination probe



128204 20G peeling spatula for illumination probe



SILICONE OIL INJECTION/REMOVAL

STERILE AIR INJECTION

VITREO-RETINAL SURGERY

SILICONE OIL INJECTION/REMOVAL



192525 19G viscous fluid removal kit, single-use (10pcs)

STERILE AIR INJECTION



125101 Air injection tube



192513 Air injection tube with filter, single-use (5pcs)



129010 Tube for Charles handpiece (2pcs)



192514 2-way stopcock, single-use (10pcs)



192511 Air injection filter, single-use (10pcs)



192516 Adapter for simultaneous connection Air/Minimal IOP, single-use (10pcs)



192512 Air injection tube, single-use (5pcs)

DIATHERMY

ENDODIATHERMY

VITREO-RETINAL SURGERY

DIATHERMY



115101 Diathermy bipolar cable



115301 Diathermy forceps



115302 Diathermy pencil eraser

ENDODIATHERMY



115303 Endodiathermy probe, 20G



115305 Endodiathermy probe with reflux, 19G



129007 Tube for endodiathermy probe (2pcs)



115103 Diathermy handle for subretinal drainage



115210 3 mm diathermy electrode for subretinal drainage



192620 Endodiathermy probe 20G, single-use (5pcs)



192623 Endodiathermy probe 23G, single-use (5pcs)

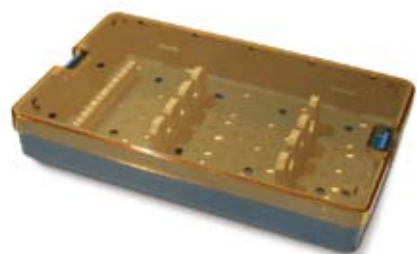


192625 Endodiathermy probe 25G, single-use (5pcs)

LENSES FOR VITRECTOMY

MISCELLANEA

MISCELLANEA



116003 Sterilization tray 25x15x3,8 cm



111006 Eclipse Video Overlay System



181004 Equipped motorized cart



191602 Screen & Mayo drape, single-use (5pcs)



129018 Sterilization tray for 23G pressure plate/forceps 6,5x15,5x2 cm



112103 Dual linear footpedal

LENSES FOR VITRECTOMY



129003 Fundus lens for vitrectomy



129004 Periphery lens for vitrectomy



181003 I.V. pole extension including blocking screw



122006 Remote control



129005 Biconcave lens for fluid/gas exchange

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