











CELEBRATE CLIFF VISUALLY

**AN OVERVIEW OF
OUR PRELOADED
INTRAOCULAR
LENSES**

HOYA
SURGICAL OPTICS

Model Name	XY1-G	XY1-GT	XY1-GP	XY1-GPT	XY1A-SP	XY1A
Brand Name	Vivonex™ Gemetric™	Vivonex™ Gemetric™ Toric	Vivonex™ Gemetric™ Plus	Vivonex™ Gemetric™ Plus Toric	Vivonex™ Toric multiSert™	Vivonex™ Toric
Graphic						
Trifocal diffractive design	Yes	Yes	Yes	Yes	No	No
Toric Design	No	Yes	No	Yes	Yes	Yes
Aspheric Design	Yes	Yes	Yes	Yes	Yes	Yes
Filter	UV and blue light filter	UV and blue light filter	UV and blue light filter	UV and blue light filter	UV and blue light filter	UV and blue light filter
Name of IOL Material	Vivonex™	Vivonex™	Vivonex™	Vivonex™	Vivonex™	Vivonex™
Optic Material	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge
Haptic Material/ Design	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop
Angulation	0°	0°	0°	0°	0°	0°
Diameter (Optic/OAL)	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm
Power Range	+10.00 D to +30.00 D	+10.00 D to +30.00 D	+10.00 D to +30.00 D	+10.00 D to +30.00 D	+10.00 to +30.00 D	+10.00 to +30.00 D
Increments (sph)	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D
Nominal A-Constant	119.0	119.0	119.0	119.0	118.9	118.9
Add power at IOL plane	Intermediate: +1.75 D Near: +3.50 D	Intermediate: +1.75 D Near: +3.50 D	Intermediate: +1.75 D Near: +3.50 D	Intermediate: +1.75 D Near: +3.50 D		
Injector	multiSert™	multiSert™	multiSert™	multiSert™	multiSert™	Vivonex™ iSert®
Front injector tip outer diameter	1.70 mm	1.70 mm	1.70 mm	1.70 mm	1.70 mm	1.70 mm
Specification		Cylinder power at IOL plane: T2=1.00 D T3=1.50 D T4=2.25 D T5=3.00 D T6=3.75 D		Cylinder power at IOL plane: T2=1.00 D T3=1.50 D T4=2.25 D T5=3.00 D T6=3.75 D	Cylinder power at IOL plane: T2=1.00 D T3=1.50 D T4=2.25 D T5=3.00 D T6=3.75 D T7=4.50 D T8=5.25 D T9=6.00 D	Cylinder power at IOL plane: T2=1.00 D T3=1.50 D T4=2.25 D T5=3.00 D T6=3.75 D T7=4.50 D T8=5.25 D T9=6.00 D

	MONOFOCAL IOLs in our preloaded injector systems						
Model Name	XY1-EM	XY1-SP	XC1-SP	XY1	XC1	NY1-SP	NC1-SP
Brand Name	Vivinex Impress™	Vivinex™ multiSert™	Vivinex™ multiSert™	Vivinex™ iSert®	Vivinex™ iSert®	Nanex™ multiSert+™	Nanex™ multiSert+™
Graphic							
Trifocal diffractive design	No	No	No	No	No	No	No
Toric Design	No	No	No	No	No	No	No
Aspheric Design	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filter	UV and blue light filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter
Name of IOL Material	Vivinex™	Vivinex™	Vivinex™	Vivinex™	Vivinex™	Nanex™	Nanex™
Optic Material	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square, thin and textured optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge
Haptic Material/ Design	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic with textured-rough haptic surface/ Modified C-Loop	Hydrophobic Acrylic/ Modified C-Loop	Hydrophobic Acrylic/ Modified C-Loop
Angulation	0°	0°	0°	0°	0°	5°	5°
Diameter (Optic/OAL)	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm	6.00 mm / 13.00 mm
Power Range	+6.00 D to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D
Increments (sph)	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D
Nominal A-Constant	118.8	118.9	118.9	118.9	118.9	119.2	119.2
Add power at IOL plane							
Injector	multiSert™	multiSert™	multiSert™	Vivinex™ iSert®	Vivinex™ iSert®	multiSert+™	multiSert+™
Front injector tip outer diameter	1.70 mm	1.70 mm	1.70 mm	1.70 mm	1.70 mm	1.62 mm	1.62 mm

Model Name	255	254	251	250	151	150	PY-60AD	PC-60AD	PY-60R	PC-60R
Brand Name	iSert [®] 255	iSert [®] 254	iSert [®] 251	iSert [®] 250	iSert [®] 151	iSert [®] 150	iSert [®] PY-60AD	iSert [®] PC-60AD	iSert [®] PY-60R	iSert [®] PC-60R
Graphic										
Trifocal diffractive design	No	No	No	No	No	No	No	No	No	No
Toric Design	No	No	No	No	No	No	No	No	No	No
Aspheric Design	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No
Filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter	UV and blue light filter	UV filter
Name of IOL Material	AF-1	AF-1	AF-1	AF-1	AF-1	AF-1	AF-1	AF-1	AF-1	AF-1
Optic Material	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic with square optic edge	Hydrophobic Acrylic	Hydrophobic Acrylic	Hydrophobic Acrylic	Hydrophobic Acrylic
Haptic Material/Design	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Hydrophobic Acrylic with blue PMMA chemically bonded haptic tips/ Modified C-Loop	Blue PMMA chemically bonded/ Modified C-Loop	Blue PMMA chemically bonded/ Modified C-Loop	Blue PMMA chemically bonded/ Modified C-Loop	Blue PMMA chemically bonded/ Modified C-Loop
Angulation	5°	5°	5°	5°	5°	5°	5°	5°	5°	5°
Diameter (Optic/OAL)	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm	6.00 mm / 12.50 mm
Power Range	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+6.00 to +30.00 D	+10.00 to +26.00 D ¹	+6.00 to +30.00 D ¹
Increments (sph)	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D	0.50 D
Nominal A-Constant	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4
Add power at IOL plane										
Injector	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]	iSert [®]
Front injector tip outer diameter	1.78 mm	1.78 mm	1.82 mm	1.82 mm	1.93 mm	1.93 mm	1.89 mm	1.89 mm	1.89 mm	1.89 mm



#CelebrateLifeVisually

By working together, we can make a world of difference for patients with vision impairment due to cataract and refractive errors. We can help them reclaim sight and once again enjoy life through one of the most important senses we have: vision.



Advance your patients' vision with our Advanced Technology IOLs. Our latest range of preloaded technologies helps you provide patients with high-quality vision to meet their individual needs.



Experience smooth surgery time after time with our Monofocal IOLs. Our portfolio offers a wide range of preloaded IOL technologies designed to support your exceptional performance.



Count on consistent IOL delivery with our fully preloaded injector systems for smoother surgeries and more predictable outcomes.

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