

Featured Items in this Catalog:

Gradient Lens Corporation[®] 207 Tremont St., Rochester, New York 14608

NEW! Luxxor[®] Portable Video Camera

The new Luxxor[®] Portable Video Camera quickly and easily attaches to any Hawkeye[®] Rigid or Flexible Borescope, and most other brands as well. Now, any borescope can instantly become a videoscope! See pages 8 - 9 for details.



NEW! Hawkeye[®] V2. Video Borescope

Hawkeye® V2 Video Borescopes deliver world-class image quality, 4-way articulation, superior construction, in 4 or 6 mm diameters, all starting at only \$7995! Video and still image capture is quick and easy. Made in USA.

See pages 6 - 7 for details.

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HAWKEYE" Pro

EYE

PRECISION BORESCOPES

Your Eye Inside™

Gradient Lens Corporation*

Catalog Volume IX.1

The Finest Borescopes at the Best Prices • Made in USA

AWKEYE" Pro



SD Memory Card.

Sincerely,

Gradient Lens Corporation

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Gradient Lens Corporation®

Gradient Lens Corporation is very proud to introduce the latest addition to our line of Hawkeye Precision Borescopes - the new V2 Video Borescope! Our newly redesigned Hawkeye V2 Video Borescopes (pgs. 6 - 7) are leading the industry in high quality, affordable, light weight, portable, visual inspection. We designed and manufacture the Hawkeye V2's to offer the best quality, at the best price, delivering bright, high-resolution video and still images, large range of focus, smooth articulation, and durable



tungsten sheathing. The new Hawkeye V2's are the best value of any videoscope on the market today!

We have also launched our new Luxxor® Portable Video Camera (pgs. 8 - 9), which allows any Hawkeye Rigid or Flexible Borescope to instantly become a videoscope. The Luxxor Camera quickly and easily attaches to virtually any borescope so that images can be displayed on a hand-held portable video monitor. Still images and video footage can also be captured on an

Hawkeye Precision Borescopes have been known for their world-class optics and great value for over 18 years... those are the business principles we built our company on over 30 years ago. Today, with over 80 different models of rigid, fiberoptic, and video borescopes, all Hawkeye® Precision Borescopes continue to be manufactured according to those same values.

Our Hawkeye Rigid, and fiberoptic Hawkeye Flexible Borescopes, continue to be the foundation of our product lines. Manufactured in our Rochester NY facility, Hawkeye Pro Rigids incorporate our latest, patented, e2 endoGRINs® relay lenses, and are hands down the best quality and value in the industry. Our Hawkeye Pro and Blue Flexible fiberoptic scopes, manufactured in our Southern CA plant are top notch, both optically and mechanically, and designed and manufactured to continue our tradition of quality and value. We invite you to compare our Hawkeye scopes to the competition, and see the difference.

Douglar S. Kinched

Dr. Douglas S. Kindred President and Chief Scientist

Send Us Your Parts!

For inspection solutions and photographs to prove it! 800.536.0790



207 Tremont Street, Rochester, NY 14608 Phone: (585) 235-2620 • Fax: (585) 235-6645

Gradient Lens Corporation West 4647 Jackson Lane, Unit D, Phelan, CA 92371 Phone: (760) 868-5812 • Fax: (760) 868-5813

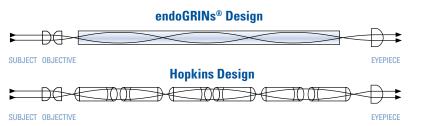
gradientlens.com • info@gradientlens.com • 800.536.0790

PRECISION BORESCOPES

Choosing Borescopes

Rigid Borescopes

The heart of a rigid borescope design is the relay lens system. Gradient Lens Corporation's patented endoGRINs[®] design makes lens manufacturing and assembly easier and less costly, without sacrificing image quality.

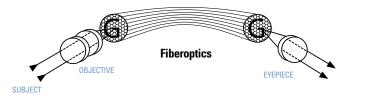


Our patented endoGRINs[®] gradient index lenses are the core technology of Hawkeye[®] Pro and Classic Rigid Borescopes. The elegant simplicity of the endoGRINs design gives excellent optical quality at a much lower cost than traditional alternatives, like the Hopkins design, which uses many expensive micro-lenses and optical glass rods.

As described above, rigid borescopes use traditional, glass optics to relay the image. If your entry path is straight, a rigid borescope delivers excellent image quality and can be more cost-efficient than either fiberoptic or video borescopes.

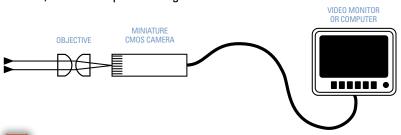
Fiberoptic Borescopes

Fiberoptic borescopes use optical glass fibers to relay the image. Resolution depends on the number of fibers and their diameter. Each fiber forms a pixel in the final image. If your entry path is not straight, fiberoptic borescopes have the advantages of flexibility and articulation.



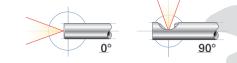
Video Borescopes

When compared with any other type of borescope, video borescopes deliver the best combination of image quality and convenience. Videoscopes transmit light through the objective lens to miniature video cameras, which then convey the image to a portable handheld monitor, or, laptop and desktop computers. When portability, still and video image capture, and image storage and documentation are key factors, a videoscope is the right choice.



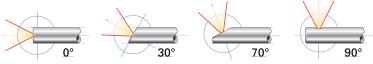
Direction-of-View (DOV)

Hawkeye Pro and Classic Rigid Borescopes see straight-ahead (0°) and sideways (90°) with a mirror tube that slides over the borescope tube, making them two borescopes in one.

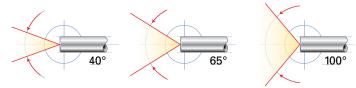


The mirror tube rotates the view over a full 360°, using the knurled knob. Our new mirrors are robust and durable for easy cleaning.

Hawkeye® Blue Rigid Borescopes use prisms to achieve the direction-of-view.



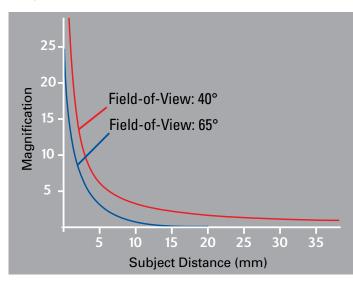
Field-of-View (FOV)



Most inspection situations need a "normal" objective lens (like a typical camera) with an angle of about 40°.

Wider lenses see more, but at a lower magnification, giving less detail. Magnification increases as the borescope approaches the subject, unlike a microscope objective, which gives a fixed magnification at one object distance.

Magnification Versus Subject Distance



In 1995, Gradient Lens Corporation made only one model of borescope. Now we offer more than 80 rigid, flexible, and video Hawkeye[®] borescopes, and a complete system of interchangeable accessories.



Hawkeye[®] Rigid Borescopes

Choose a Hawkeye® Rigid Borescope when the entry path is straight. Rigids have better image quality, and are more durable and less expensive, than flexible scopes. Hawkeye[®] Classic and Pro Rigid Borescopes have DOV's of 0°, 30°, and 90°. Hawkeye® Blue Rigid Borescopes offer a wider selection of DOV's and lengths. Pgs. 14 - 21





Diesel injector



Button rifled .204 Ruger as seen with a body taken with a Hawkeye Pro Slim 17" Hawkeye Pro Hardy 7"

Burr in a cross hole in an ABS brake manifold viewed with a Hawkeve Pro Slim 7"



Hawkeye[®] Flexible Borescopes

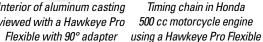
When your entry path is curved, you'll need a Hawkeye® Pro, Classic, or Blue Flexible Borescope. With 0-, 2-, or 4-way articulation, up to 25,000 pixel image resolution, and flexible, durable, tungsten sheathing, Hawkeye® Flexible Borescopes are the finest fiberscopes on the market. Pgs. 22 - 26





A complex casting is inspected using a Hawkeye Pro Flexible

Interior of aluminum casting viewed with a Hawkeye Pro 500 cc motorcycle engine



Hawkeye[®] Semi-Rigid Borescopes

Hawkeye® Pro MicroFlex Semi-Rigid and Flexible Borescopes offer diameters as small as 0.5 mm, and a 10,000 or 30,000 fiber image bundle, all in "bendable," semi-rigid, Nitinol or polymide sheaths. Pg. 27





An electrical circuit

A Hawkeye Pro MicroFlex Semi-Rigid borescope for flaws or defects with a 0.9 mm Hawkeve Pro inspecting a very small electrical socket

Medical tubing is inspected board as seen with a 0.9 mm Hawkeye Pro MicroFlex Flexible

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MicroFlex Flexible

Choosing Borescopes

Hawkeye[®] Video Borescopes

The new Hawkeye[®] Pro V2 Video Borescopes represent our next generation of fully portable, articulating, videoscopes. The V2 has a large focus range, is bright, and delivers high-res images and video. The V2 is available in diameters of 4 and 6 mm and has 4-way articulation. Pgs. 6 - 7 Non-articulating Hawkeye Classic Flexible Video Borescopes are affordable and functional. Pg. 10







Luxxor[®] **Portable** Video Camera

The new Luxxor® Portable Video

Camera quickly and easily

attaches to any Hawkeye® Rigid or Flexible Borescope, and most other brands as well. Now, any borescope can quickly and easily become a videoscope, simply by attaching the borescope to the video coupler of the Luxxor Portable Camera.

The new Luxxor Camera allows users to view internal visual inspection images on portable or benchtop video monitors, or on laptop or desktop computers. Video footage, and photos, can then be viewed "live," and saved, documented, and e-mailed. Pgs. 8 - 9

Luxxor[®] Video Systems

Connect any Hawkeye[®] Rigid or Flexible Borescope to a video camera and display the

image on a computer or video monitor. Store, document and e-mail images as well. Pgs. 12 - 13

Hawkeye[®] V₂ Video Borescopes



- Bright, High-Res **Video and Photos**
- Large Range-of-Focus
- Quality Construction
- 4-Way Articulation
- 4 & 6 mm Diameters
- Starting at Only \$7,995

We've improved the image quality in the new Hawkeye® V2 with a higher resolution, more light sensitive camera, delivering bright, crisp, clear images! The new 5" LCD Monitor provides comfortable viewing, and intuitive, easy-to-use controls, allow photo and video capture at the touch of a button! We've increased the 4-way articulation range, as well as the field-of-view and depth-of-field. It's still small, lightweight, portable, delivers great image quality, and is priced starting at only \$7,995. Available in 4 and 6 mm diameters. **Optional 90° Prism and Close-Focus** adapter tips available.

Bright, High-Res articulating video borescopes! Video and Still Images SD Memory Card **Close-Focus Tip** (Optional) 90° Prism Tip (Optional) Rugged, Tungsten V2 LED 0 4-Layer **Light Source** 4-Way Articulation Sheathing Remotely controlled 4 and 6 mm **Diameters** .157" and .240" 🔿 🦳

Hawkeye® V2 Video Borescope Kits

Diameter	Length	Articulation	Model #	Price
4 mm	1.5 m (4'11")	2-way	V2 040 1500 2	\$7,995
4 mm	1.5 m (4′11″)	4-way	V2 040 1500 4	\$8,995
4 mm	3.0 m (9′10″)	4-way	V2 040 3000 4	\$10,995
4 mm	90° Prism Tip	NA	V2 PTIP 4 90	\$995
4 mm	Close-Focus Tip	NA	V2 TIP 4CF	\$995
6 mm	1.5 m (4′11″)	4-way	V2 060 1500 4	\$7,995
6 mm	3.0 m (9′10″)	4-way	V2 060 3000 4	\$8,995
6 mm	6.0 m (19'8")	4-way	V2 060 6000 4	\$12,995
6 mm	90° Prism Tip	NA	V2 PTIP 6 90	\$995
6 mm	Close-Focus Tip	NA	V2 TIP 6CF	\$995

All models are usually in stock. However, occasionally due to overwhelming demand, stock levels fluctuate. Please call our sales team for delivery estimates.

Hawkeye [®] V2 Deluxe Kits				
Diameter	Length	Articulation	Model #	Price
4 mm	1.5 m (4'11")	2-way	V2D 040 1500 2	\$9,995
4 mm	1.5 m (4'11")	4-way	V2D 040 1500 4	\$10,995
4 mm	3.0 m (9'10")	4-way	V2D 040 3000 4	\$12,995
6 mm	1.5 m (4'11")	4-way	V2D 060 1500 4	\$9,995
6 mm	3.0 m (9'10")	4-way	V2D 060 3000 4	\$10,995
6 mm	6.0 m (19'8")	4-way	V2D 060 6000 4	\$14,995
-				

V2 Deluxe Kits contain all the accessories in a Standard Kit, plus the Close-Focus Tip, 90° Prism Tip, V2 Stand, and V2 Rigidizer.

Aircraft and Power Generation maintenance teams can guickly and easily inspect turbine blades, combustion chambers, cooling tubes, and much more, all without the need for costly and time consuming engine and system tear-down. Foundries can inspect for flash, sand, and voids insidecomplex castings.

Hawkeye V2 Video Borescopes deliver the same image quality, portability, and articulation of scopes costing three times as much.



Integrated 5"

LCD Monitor

Using the Close-Focus tip, fine cracks are detected inside a combustion chamber.

Hawkeye® V2 Video Borescope Specifications

Diameter	4.0 or 6.0 mm
Lengths	1.5, 3.0, and 6.0 meters
Articulation	150° up/down, 150° right/left
Field-of-View	
Depth-of-Field	15 mm - ∞
Depth-of-Field with C	lose-Focus Tip, 0°4 mm - 22 mm
Direction-of-View	0°, 90° with optional Prism Tip
Sheath2 mil tungs	sten braid, durable 4-layer construction
Illumination	Detachable micro LED
	with intensity adjustment
Display	5" TFT LCD
Interfaces	Mini USB 1.1 and AV/out
Power	DC 5V
Battery	2.5 hr. run time, rechargeable lithium
•	SD card (up to 2GB)
	JPEG (640 X 480)
Video Format	ASF (640 X 480),
	Playback with Windows Media Player

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Hawkeye[®] V₂ Video Borescopes



Each Hawkeye® V2 Video Borescope Kit Contains:

Standard Kits Include:

- Hawkeye[®] V2 Video Borescope
- Monitor Battery Charger
- Monitor Spare Battery Charger
- USB Cable
- Video Cables
- V2-LED Light Source & Spare Batteries
- V2-LED Light Source Charger & Batteries
- Spare Monitor Battery
- 2 GB SD Memory Card
- Rugged Hawkeye[®] Carrying Case

Deluxe Kits Also Include:

- 90° Prisim Tip
- Close-Focus Tip
- V2 Stand
- V2 Rigidizer



Look inside...with video! Turn ANY borescope into a portable videoscope in just seconds!

Made in USA

Connects to ANY Hawkeye® Rigid or Flexible Borescope

When connected to any Hawkeye® Rigid or Flexible Borescope, and most other brands, the new Luxxor® Portable Video Camera delivers sharp, bright video and still images. Inspection images can be viewed "live," and captured, stored, and documented. You can view video on our Portable Video Monitor, or any computer or benchtop video monitor.

Luxxor Portable Video Camera

Luxxor

PORTABLE CAMER

Product	Model#	Price
Luxxor Portable Video Camera*	LPC	\$1,095
Luxxor Portable Video Camera Kit**	LPC-PVM	\$2,475
Viewing Options		
Portable Video Monitor***	PVM-DV	\$1,095
USB2 Image Capture Device & Software	VC-USB2	\$435
Sony® Professional Video Monitor	SVM-15	\$1,350
Accessories		
Video Cable (LPC to PVM)	DV-MCBL	\$150
Video Cable (LPC to ext. monitor, VC-USB2, or, RCA)	DV-YCBL	\$225
Hawkeye® LED Light	HAWKEYE LED	\$135
Tripod (Attaches to PVM)	DV-Tripod	\$50

Aluminum Carrying Case (w/die cut foam insert) PCC
* Includes Luxxor Portable Camera & Video Cable DV-YCBL (RCA output)

BNC Adaptor (BNC input to RCA output from DV-YCBL adaptor) DV-BNC

** Includes Luxxor Portable Camera, Portable Video Monitor, Hawkeye[®] LED Light, PVM Video Cable, #DV-MCBL Video Cable, Video Cable for Additional Monitor, DV-YCBL, Tripod Stand, SD Memory Card, & PCC Carrying Case

*** Includes Portable Video Monitor, LPC Video Cable #DV-MCBL, Tripod Stand, SD Memory Card







3 Viewing Options:

Portable Video Monitor:

Portable video monitor with image capture

Computer Ready:

USB capture device with software

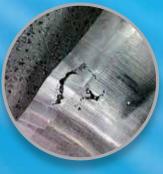
Sony[®] Professional Video Monitor: 15" LCD monitor

Each Luxxor[®] Portable Video Camera Kit contains:

- Luxxor[®] Portable Camera
- Portable Video Monitor
- Video Cables
- SD Memory Card
- Tripod
- AC Power Adaptor
- Rugged Hawkeye[®] Pro Carrying Case

Completely Portable Visual Inspection Inside...





Machined Parts

Castings

Luxxor[®] Portable Video Camera Specifications

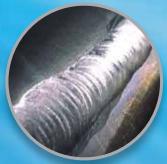
Image Sensor	
Lens	Built in 25 mm borescope coupler lens
Mount	luick release, ball bearing mount couples
32 mm b	prescope eyecup securely to the camera
Video Format	NTSC
Resolution	
S/N Ratio	
Min. Illumination	
Working Temperatu	re10 to 45° C
Power Supply	5 - 12 V DC, 80 mA
Output	. Standard cable is RCA composite video,
or, 12	2 PinHi-ROSE with portable video monitor
Length	160 mm
Handle Diameter	
Coupler Lens Diame	eter



\$6

\$195





Welded Parts

Hawkeye[®] Classic Flexible Video Borescope



Low-cost, non-articulating, high quality, and fully portable! Made in USA

PRECISION BORESCOPES

Hawkeye[®] Classic Flexible Video Borescopes are the perfect choice when portability, and easy image capture, are key factors. These high quality, affordably priced video borescopes are much more durable than fiberoptic borescopes, low cost, and completely portable. Hawkeye Classic Flexible Video Borescopes come complete with video monitor, LED light

source, and image capture capability, all in one, easy-to-use device. Classic models are 8 mm in diameter, non-articulating, and come with plastic coated stainless steel gooseneck sheathing which takes a set before insertion into a

which takes a set before insertion into a cavity. Hawkeye Classic Flexible Video Borescopes are available in standard lengths of 1.5, 3.0, 6.0, and 12.0 meters. Custom length scopes are available by special order.

Hawkeye[®] Classic Flexible Video Borescope Specifications

8.0 mm
1.5, 3.0, 6.0, and 12.0 meters
None
0°, or use 90° tip
ss steel gooseneck covered with PVC
Micro LED with intensity adjustment
Mini USB 1.1 and AV/out
DC 5V
2.5 hr. run time, rechargeable lithium
SD card (up to 2GB)
JPEG (640 X 480)
ASF (320 X 240), playback with
Windows Media Player

Plastic Coated, Stainless Steel Gooseneck Sheath

Lengths of 1.5 - 12 m

> **90° Tip** (Optional)



Still Image

Video Capture

Capture

Bright, Clear Images

5x higher definition

than fiberscopes

Hawkeye® Classic Flexible Video Borescopes

Diameter	Length	Articulation	Sheath	Model #	Price
8.0 mm	1.5 m	None	Gooseneck	CVS 080 1500	\$2,695
8.0 mm	3.0 m	None	Gooseneck	CVS 080 3000	\$3,195
8.0 mm	6.0 m	None	Gooseneck	CVS 080 6000	\$5,995
8.0 mm	12.0 m	None	Gooseneck	CVS 080 12000	\$8,995

Microscope / Borescope Inspection Station

Easily converts from microscope to borescope, for external or internal inspections

LUXXOR® VIDEO MICROSCOPE

The Luxxor[®] Video Microscope can be used both as a microscope or with a borescope. The high quality, f/4.5 zoom lens delivers sharp, close-up views of the exterior of any object placed on the microscope's 15" x 10" table. Built-in, flexible gooseneck, LED illumination provides ample, versatile, convenient illumination. Generous column height allows viewing of objects up to 16 inches high. Additionally, any Hawkeye® Precision Borescope, and most other borescopes, can be quickly and easily mounted with an optional adapter, allowing high-quality, close-up, internal inspection.





As a microscope

With a borescope (with optional VC-35 Video Coupler)

.uxxor®	Video	Wicroscope	& Acces	sories
roduct			Model #	Price

Product	Model #	Price
Luxxor [®] Video Microscope	LVM-1	\$4,995
Borescope Adapter (optional)	VC-35	\$395
25 mm Lens (~ 7x magnification)	LVML-25	\$590
12 mm Lens (~ 3.5x magnification)	LVML-12	\$500
1.5x Converter	1.5X CVTR	\$55
2.5x Converter	2.5X CVTR	\$55

Borescopes and video coupler sold separately. Computer and monitor not included. *Based on 19" monitor.

Built-in Lighting Variable intensity LED lights on flexible stalks provide versatile lighting

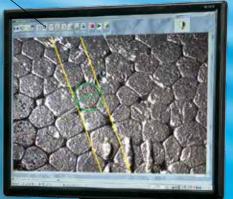
f/4.5 Zoom Lens

15x - 83x magnification,* adjustable iris for increased depth-of-field, 90 mm working distance



Luxxor[®] Video Microscope

Video ToolBox Software Image and video capture plus measurement and labeling



Made in USA

Key Benefits:

- Conduct internal and external inspection
- Capture video or still images
- Metrology feature allows accurate measurement
- Document, store, and e-mail results
- A more comfortable, ergonomic alternative to stereo microscopes

Luxxor® Video Microscope Specifications:

System Magnification15x	- 200x**	
F/#	4.5	
Working Distance	90 mm	
Field-of-View 24 mm	- 4.0 mm	
Resolution in Object Space5	microns	
Camera 1.3 MP (1280 x 1024 pixels), 1/2		
Stage2-axis with rack and pinion f	ocusing	
Measurement Accuracy +/- 0.001	" at 15x ,	
Illumination Unit2 adjustable, LED Goos	senecks	
Video Output	USB 2.0	
Power Supply	110 VAC	
Table Size 1	5″ x 10″	
Maximum Object Height	16″	
Computer requirements: Windows 2000/XP/VISTA computer, Pentium 1.8 GHz processor or better, Minimum 512KB RAM, Free USB 2.0 high		

speed port.

**With 2.5x Converter.

Luxxor®



The Luxxor[®] Video System can be used with any laptop or desktop computer, or video monitor. Video and still images can be captured, stored, documented, and e-mailed.

Video Slide sold separately. Computer not included

We'll help you put together the right system for your specific inspection needs!

Luxxor[®] Video System

The Luxxor® Video System connects to any rigid or flexible Hawkeye® Precision Borescope, as well as most other borescope brands. The benefits of using the Luxxor Video System include the ability to:

- · Easily document inspections and store video or still images
- · Share inspection images via e-mail or hard copy
- · Hold group reviews of inspection images displayed on a video monitor
- Easily and quickly conduct repetitive inspections by relieving the physical and mental fatigue of inspectors

Made in USA

Luxxor®

Live video using any Hawkeye[®] Borescope!

Sony[®] Video Camera 1/3-type Super HAD II CCD -High resolution and true color

The Hawkeye® Video Borescope Slide makes inspections faster, and the resulting video images much more stable. The video slide was expressly designed for repetitive inspections and capturing borescope images. The Hawkeye Video Borescope Slide features:

- Three axis adjustments providing flexibility and easy setup
- An adjustable stop that sets the inspection depth to easily locate a point of interest and prevents damage to the borescope tip
- · Locking mechanisms on all three axes that ensure repeatable results and allow users to slide either the borescope, or the part being inspected
- A standard, aluminum V-Block that can handle mounting most parts. (Users can modify the V-Block or replace it with a custom mount for oddly shaped parts.)

Luxxor® Video Camera System	LXX-VBSM	\$3,640
Sony® Video Camera	XC-505	\$1,995
Luxxor [®] Video Coupler Lens	VC-25	\$395
Luxxor [®] 24 Light	LXX24	\$775
Luxxor [®] Light Guide	LXXLG	\$225
Hawkeye [®] SuperKit Carrying Case	HSC	\$250
Other Items Sold Separately	Model #	Price
Sony® Professional Video Monitor	SVM-15	\$1,350
USB 2.0 Image Capture Interface	VC-USB2	\$435
Hawkeye® Video Slide 24"	HVSLIDE-H24	\$795
Hawkeye® Video Slide 48"	HVSLIDE-H48	\$895
V-Block for Video Slide	HV-VBSTAGE-XY	\$250

Luxxor[®] Video System

Luxxor[®] Video Coupler Lens Clamps to borescope eyecup and fits video camera C-Mount

> Easily attach the Luxxor® Video Camera to any Hawkeye® Borescope

> > **Hellin**

Hawkeye[®] Video Slide

Hawkeye[®] Pro Rigid Borescopes



Independent Focusing Ring Easy video & still photography

e2 endoGRINs[®] Optics Sharper, more detailed images

Multi-Coated Objective Lens Higher contrast & vivid color

PRECISION BORESCOPES

Every Hawkeye[®] Pro Rigid Borescope is designed with professional users in mind. These top-of-the-line rigid borescopes deliver bright, clear, detailed, high-contrast images.

Every Hawkeye Pro Rigid Borescope includes:

- Our latest endoGRINs® image relay lenses
- Multicoated objective lens
- LightConcentrator[™] light post
- Independent focusing ring for convenient video and still photography
- Super bright, portable SuperNOVA[™] Light, with rechargeable **SuperNOVA** Lithium-Ion batteries

Hawkeye Pro Precision Borescopes extend the proven Hawkeye virtues of first class quality and superior value.

Made in USA

LightConcentrator™ Brighter, more even light

> 10x Intensity SuperNOVA[™] Light Brighter, clearer images

Each Hawkeye[®] Pro Borescope Kit contains:

- Hawkeye[®] Pro Precision Borescope
- Hawkeye[®] Mirror Tube
- Hawkeye[®] SuperNOVA[™] Light and Charger
- Rugged Hawkeye[®] Carrying Case
- Hawkeye[®] Cleaning Kit



For individual borescopes and kit components see pages 30 - 31.

Pro Slim FOV 42°, DOV 0° Outside Diameter .165 inches (4.20 mm) **Mirror Tube DOV 90°** Outside Diameter .188 inches (4.80 mm) Hawkeye[®] Pro Slim Borescope Kits Lengths: 2" 7" 12" 17" and 22" M 2" Pro Slim Kit (50.8 mm) P: 7" Pro Slim Kit (180 mm) 12" Pro Slim Kit (305 mm) 17" Pro Slim Kit (435 mm) P: 22" Pro Slim Kit (560 mm) PS Pro Slim Prism FOV 70°, DOV 30° Outside Diameter .165 inches (4.20 mm)

30° Prism Optics

Hawkeye [®] Pro Slim Prism Borescope Kits [*]				
Ler	igths: 7" 12" and 17"	Model #	Price	
7″	Pro Slim Prism Kit (180 mm)	PS07-30-NVK	\$1,795	
12″	Pro Slim Prism Kit (305 mm)	PS12-30-NVK	\$1,895	
17″	Pro Slim Prism Kit (435 mm)	PS17-30-NVK	\$1,995	
* 8 4				

* Mirror tube not available





See pages 12 - 13 and 28 - 29.

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Hawkeye[®] Pro Rigid Borescopes

20)

More durable; easy to clean

90° Mirror

lodel #	Price
S02-NVK	\$1,295
S07-NVK	\$1,295
S12-NVK	\$1,395
S17-NVK	\$1,495
S22-NVK	\$1,895

Pro Slim[™] .165" (4.20 mm)

The clarity and brightness of Hawkeye[®] Pro Slim Borescopes bring out all the details in vour subiect. The Pro Slim offers the best combination of small diameter, length, and bright illumination. Most machined metal parts afford ample access for the Hawkeye Pro Slim Borescope and mirror tube. You will clearly see burrs and surface finish in bores and cross-holes.

Pro Slim Prism[™] .165" (4.20 mm)

The forward oblique, 30° direction-of-view (DOV) of Hawkeye® Pro Slim Prism Borescopes deliver greater depth perception than either 0° or 90° DOV scopes. Additionally, the wide 70° field-ofview gives the viewer a much broader and more versatile view of the subject. The prism optics in Hawkeye borescopes represent our very latest optical design. Great image quality at hundreds less than comparable scopes!

Hawkeye[®] Pro Rigid Borescopes



Independent focusing makes video and still photography easy.

Pro MicroSlim[™] .073"(1.85 mm)

Hawkeye[®] Pro MicroSlim Borescopes are just .073 inches in diameter. or .084 inches with a mirror tube. Use them to inspect diesel fuel-injection nozzles miniature hydraulic components and much more.

Pro SuperSlim[™] .098"(2.40 mm)*

At .098 inches in diameter, or .109 inches with a mirror tube, the Hawkeye[®] Pro SuperSlim Borescopes give sharp, clear views of the microscopic holes in spray tips and nozzles. Use them to inspect small bores for burrs, surface finish irregularities, and more.

* The 10, 14, and 17 inch models are .110" (2.80 mm) in diameter.

Made in USA

Pro MicroSlim FOV 40°, DOV 0° Outside Diameter .073 inches (1.85 mm) o

Mirror Tube DOV 90°

Outside Diameter .084 inches (2.13 mm) O

Pro SuperSlim FOV 40°, DOV 0°

Outside Diameter .098 inches (2.49 mm) 4" and 8" models O Outside Diameter .110 inches (2.80 mm) 10", 14" and 17" models O

DOV 90°

Outside Diameter .109 inches (2.77 mm) 4" and 8" models O Outside Diameter .150 inches (3.80 mm) 10", 14" and 17" models 🔘

Hawkeye[®] Pro MicroSlim Borescope Kits

Lengths: 3" 5" and 7"	Model#	Price
3" Pro MicroSlim Kit (80 mm)	MS03-NVK	\$1,695
5" Pro MicroSlim Kit (120 mm)	MS05-NVK	\$1,895
7" Pro MicroSlim Kit (178 mm)	MS07-NVK	\$2,095

Hawkeye® Pro SuperSlim Borescope Kits

Lengths: 4" 8" 10" 14" and 17"	Model #	Price	
4″ Pro SuperSlim Kit (102 mm)	PSS04-NVK	\$1,495	
8″ Pro SuperSlim Kit (185 mm)	PSS08-NVK	\$1,595	
*10" Pro SuperSlim Kit (265 mm)	PSS10-NVK	\$1,695	
*14" Pro SuperSlim Kit (350 mm)	PSS14-NVK	\$1,795	
* 17" Pro SuperSlim Kit (435 mm)	PSS17-NVK	\$1,895	
* The 10, 14, and 17 inch models are .110" (2.80 mm) in diameter.			



Pro Hardy FOV 50°, DOV 0°

Outside Diameter .250 inches (6.35 mm)

Mirror Tube DOV 90°

Outside Diameter .313 inches (8.00 mm)

Hawkeye [®] Pro Hardy	Borescope	Kits
Lengths: 7" 12" 17" and 22"	Model #	Pr
7″ Pro Hardy Kit (180 mm)	PH07-NVK	\$1,
12" Pro Hardy Kit (305 mm)	PH12-NVK	\$1,
17" Pro Hardy Kit (435 mm)	PH17-NVK	\$1,
22" Pro Hardy Kit (559 mm)	PH22-NVK	\$1,

Pro Super Hardy 37"	<
Outside Diameter .283 inches (7.20 mm)	
Outside Diameter .312 inches (8.0 mm)	
Outside Diameter .283 inches (7.20 mm)	<
Outside Diameter .312 inches (8.00 mm)	
Hawkeye [®] Pro Super Hardy	

Borescope Kits

Lengths: 28" and 37"	Model #	Price
28" Pro Super Hardy Kit (711 mm)	PSH28-NVK	\$3,395
37" Pro Super Hardy Kit (940 mm)	PSH37-NVK	\$3,695



Video and lighting sold separately. See pages 12 - 13 and 28 - 29.

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Every Hawkeye® Pro MicroSlim and SuperSlim

• Hawkeye[®] SuperNOVA[™] Light and Charger

Hawkeye[®] Pro Precision Borescope

Rugged Hawkeye[®] Carrying Case

Borescope Kit contains:

Hawkeye[®] Mirror Tube

Hawkeye[®] Cleaning Kit

Hawkeye[®] Shipping Sheath

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Hawkeye[®] Pro Rigid Borescopes



Pro Hardy[™] .250"(6.35 mm)

Hawkeye[®] Pro Hardy Borescopes are rugged and bright. The quarterinch diameter Pro Hardy gives 3x the illumination of the Pro Slim.

The Hawkeye Pro Hardy Borescope excels at looking into the larger, dark spaces of diesel and aircraft cylinders, tanks, pressure vessels, pipes, and even wall cavities.

Pro Super Hardy™ .283"(7.20 mm)

The slightly larger, 7.2 mm diameter Hawkeye[®] Pro Super Hardy Borescope, is invaluable when a 28- or 37-inch reach is required. The larger diameter, in combination with our patented e2 endoGRINs[®] lens relays, deliver an image almost 2.5x larger and 1.5x brighter than a regular Pro Hardy. Now, you can see clearly inside very deep bores, pipes, or tubes. As with all Hawkeye[®] Pro Precision Borescopes, the rugged Pro Super Hardy easily attaches to all Hawkeye® or Luxxor® Light Sources and Video Systems.

Hawkeye[®] Classic Rigid Borescopes



PRECISION BORESCOPES

Exceptional quality and value! Made in USA

Multi-Coated Objective Lens Better contrast & color

Classic Slim FOV 42°, DOV 0°

Outside Diameter .165 inches (4.20 mm)

DOV 90°

Outside Diameter .188 inches (4.80 mm)

Classic Hardy FOV 50°, DOV 0°

Outside Diameter .250 inches (6.35 mm)

DOV 90°

tside Diameter .313 inches (8.00 mm)

Hawkeye[®] Classic Slim Borescopes Kits

Lengths: 7" 12" 17" and 22"	Model #	Price
7″ Classic Slim Kit (180 mm)	HS07-AF-KIT	\$945
12" Classic Slim Kit (305 mm)	HS12-AF-KIT	\$995
17" Classic Slim Kit (435 mm)	HS17-AF-KIT	\$1,045
22" Classic Slim Kit (560 mm)	HS22-AF-KIT	\$1,495

Hawkeye[®] Classic Hardy Borescope Kits

Len	gths: 7" 12" and 17"	Model #	Price
7″	Classic Hardy Kit (180 mm)	HH07-AF-KIT	\$995
12″	Classic Hardy Kit (305 mm)	HH12-AF-KIT	\$1,045
17″	Classic Hardy Kit (435 mm)	HH17-AF-KIT	\$1,095
22″	Classic Hardy Kit (560 mm)	HH22-AF-KIT	\$1,595





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Mini Maglite[®]

Ample light for close or reflective subjects

Each Hawkeye[®] Classic Borescope Kit contains:

• Mini Maglite[®] Flashlight and Two AA Batteries

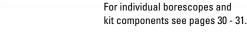
• Hawkeye[®] Classic Precision Borescope

• Rugged Hawkeye[®] Carrying Case

• Hawkeye[®] Mirror Tube

• Hawkeye[®] Cleaning Kit

Lengths: 7" 12" and 17"	Model #	Price
7″ Classic Hardy Kit (180 mm)	HH07-AF-KIT	\$995
12″ Classic Hardy Kit (305 mm)	HH12-AF-KIT	\$1,045
17″ Classic Hardy Kit (435 mm)	HH17-AF-KIT	\$1,095
22″ Classic Hardy Kit (560 mm)	HH22-AF-KIT	\$1,595



In 1995, the first Hawkeye[®] Precision Borescope broke new ground. Using our newly developed endoGRINs® gradient index lenses, we became able to offer image quality similar to the finest borescopes made anywhere in the world, and do so at one-third the price!

Today, Hawkeye[®] Classic **Rigid Borescopes are** as great a value as they have always been. Hawkeye Classic Borescopes are used by building inspectors, technicians, sportsmen, manufacturers, and more. Exceptional value and quality have made Hawkeye® Rigid Borescopes the world leader in sales of rigid borescopes.

The Mini Maglite® flashlight is bright enough for most subjects, however, you can upgrade to the Hawkeye® SuperNOVA[™] Light for brighter light and economy in heavy use. See page 30.

Made in USA

Hawkeye[®] Classic Rigid Borescopes

90° Mirror

-0

More durable; easy to clean



At.165 inches in diameter, Hawkeye® **Classic Slim Bore-**

> scopes are by far our best selling borescopes. They are slim enough to fit into small holes.

but provide plenty of light. The result is sharp, bright, clear images. Use Hawkeye **Classic Slim Bore**scopes to inspect bores and cross-holes in machined metal parts.

Classic Hardy[™] .250" (6.35 mm)

When access holes are large enough, Hawkeye[®] Classic Hardy Borescopes bring much more light to the subject. Their rugged, thick-walled stainless steel tubes have an outside diameter of a quarter-inch. Classic Hardys deliver 3x the illumination of the Classic Slim.

The Classic Hardy is ideal for inspecting castings, engine cylinders, internal welds, and pipes.

Hawkeye Classic Borescopes focus by rotating the eyecup. Cameras attach to the eyecup, so they turn too, rotating the image. We recommend Hawkeye® Pro Borescopes with cameras. because their independent focusing rings avoid camera and image rotation.



PRECISION BORESCOPES



Hawkeye[®] Blue Swing Prism Borescopes have a tiny prism at the tip that pivots, or "swings," to vary the direction-of-view from 16° to 118°. A ring on the borescope body controls the prism direction. The fieldof-view is 45°, so the borescope effectively sees from -7° to 133°.

Another ring focuses the borescope, and a third rotates the borescope tube over more than 360°, sideways in any direction, without turning the body.

Diesel engine mechanics use Swing Prism Borescopes to examine cylinders, pistons, and valves. Aircraft engine mechanics use the Swing Prism to locate and investigate FOD (foreign object damage and debris) in jet engines.

Independent Focusing Ring Easy video & still photography

Swing Prism

HAWKEYE

Direction-of-View Ring From 16° to 118°

ACMI-Standard Light Post Accepts any Hawkeye® or Luxxor[®] Light

View Rotation Ring Rotates view more than 360°, independent of body

Snap-on Handle Convenient to hold & protects light guide

Fixed Prism

HAWKEYE

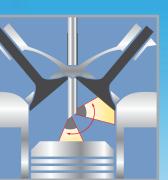
7

Video and lighting sold separately.

See pages 12 - 13 and 28 - 29.

Luxxor®

Independent Focusing Ring Easy video & still photography



Hawkeye[®] Blue Rigid Swing Prism Borescopes

	Diameter	Length	DOV	FOV	Model #	Price
\frown	.237" (6.0 mm)	9.60" (245 mm)	16° to 118°	45°	HBS 060 245 045	\$5,495
	.237″ (6.0 mm)	17.91" (455 mm)	16° to 118°	45°	HBS 060 455 045	\$5,995
\bigcirc	.315″ (8.0 mm)	12.80" (325 mm)	16° to 118°	45°	HBS 080 325 045	\$5,495
$\widetilde{}$.355″ (9.0 mm)	23.80" (605 mm)	16° to 118°	45°	HBS 090 605 045	\$5,995
	.355" (9.0 mm)	31.69" (805 mm)	16° to 118°	45°	HBS 090 805 045	\$6,195
	Other lengths availabl	e by special order.				

Swing Prism Scan: Valves

Cylinder Head Cylinder Wall Piston in Cylinder

View Rotation Ring Rotates view more than 360°, independent of body



	Hawkeye [®] Blue Fixed Prism Borescopes									
	Diameter	Lengt	h	DOV	FOV	Model #	Price			
0	.110" (2.8 mm)	4.72″	(120 mm)	30°	90°	HBR 028 122 090	\$3,395			
	.110" (2.8 mm)	7.28″	(185 mm)	90°	55°	HBR 028 187 055	\$3,395			
	.110" (2.8 mm)	12.36″	(314 mm)	90°	55°	HBR 028 317 055	\$3,895			
0	.157" (4.0 mm)	4.72″	(120 mm)	70°	55°	HBR 040 125 055	\$3,395			
	.157" (4.0 mm)	6.89″	(175 mm)	90°	55°	HBR 040 177 055	\$3,395			
	.157" (4.0 mm)	9.65″	(245 mm)	30°	55°	HBR 040 242 055	\$3,695			
	.157" (4.0 mm)	11.81″	(300 mm)	90°	55°	HBR 040 307 055	\$3,695			
	.157" (4.0 mm)	14.57″	(370 mm)	70°	55°	HBR 040 375 055	\$3,695			
	.157" (4.0 mm)	16.73″	(425 mm)	90°	55°	HBR 040 427 055	\$3,795			
$\overline{\bigcirc}$.228" (5.8 mm)	8.07″	(205 mm)	90°	65°	HBR 058 217 065	\$3,395			
Ū	.228" (5.8 mm)	13.58″	(345 mm)	70°	65°	HBR 058 355 065	\$3,795			
	.228" (5.8 mm)	13.58″	(345 mm)	90°	65°	HBR 058 357 065	\$3,795			
	.228" (5.8 mm)	19.09"	(485 mm)	90°	65°	HBR 058 497 065	\$3,895			
	.228" (5.8 mm)	24.6″	(625 mm)	90°	65°	HBR 058 627 065	\$3,895			
$\overline{\bigcirc}$.315" (8.0 mm)	12.79″	(325 mm)	90°	65°	HBR 080 327 065	\$3,395			
\bigcirc	.315" (8.0 mm)	28.54″	(725 mm)	90°	65°	HBR 080 727 065	\$3,895			
	.315" (8.0 mm)	32.91″	(836 mm)	0°	100°	HBR 080 840 100	\$3,895			
	046									

Other lengths available by special order.

Hawkeye[®] Blue Rigid Borescopes

Swing Prism Variable

Direction-of-View (DOV)

Fixed Prism Directions-of-View (DOV's)

Hawkeye® Blue Fixed Prism Borescopes offer

directions-of-view of 0°, 30°, 70°, and 90°. They have medium to wide fields-of-view, ranging from 55° to 100°.

Use a Hawkeye Blue **Fixed Prism Borescope** for particularly large, dark spaces. Illumination and imaging channels are independent on Hawkeye Blue **Rigid Borescopes**, increasing image clarity and contrast.

In comparison, when borescopes with mirror tubes are used to inspect large, dark areas, the illuminating light and the image can intermix, lowering clarity and contrast if the mirror is not clean.

We deliver each Hawkeye Blue Swing and Fixed Prism Borescope in a lockable, fitted carrying case, for security and protection.

Made in Germany

Hawkeye[®] Pro Flexible Borescopes



PRECISION BORESCOPES

Hawkeye® Pro Flexible Borescopes incorporate an 18,000 fiber, acid-leached imaging bundle, delivering truly excellent image resolution, sharpness, detail, and contrast. Lower cost alternatives do not deliver image quality nearly this high. Pro Flexibles also offer 2-, or 4-way articulation. Control the directionof-view of the tip over a 240° range (±120°), using a thumb-lever on the aluminum borescope body. The lever can also be locked to hold a particular view.

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Quality optics at a great price! In our most popular length and diameters

HAWKEYE" Pro

ade in USA

SuperNOVA

Directional Control Articulate the tip with lever

18,000 Fibers

Durable, Tungsten Sheath Protection with flexibility



4 Diameters .130", .157", .200" and .236"

0000

Articulation Lock

2- and 4-Way Articulation Remotely controlled

> Hawkeye[®] Pro Flexible Borescope through-the-scope image

Each Hawkeye[®] Pro Flexible Borescope Kit contains:

- Hawkeye[®] Pro Flexible Precision Borescope
- Hawkeye[®] Pro Flexible 90° Mirror Tip (5 mm only)
- Hawkeye[®] SuperNOVA[™] Light and Charger
- Rugged Hawkeye® Carrying Case
- Hawkeye[®] Cleaning Kit

Hawkeye[®] Pro Flexible Borescope Kits

Diameter	Length	Articulation	DOV	FOV	Fibers	Sheath	Model #	Price
.130″ (3.3 mm)	33.5″ (0.85 m) 2-way	0°	45°	18,000	Tungsten	PFB3-NVK	\$5,995
.157" (4.0 mm)	33.5″ (0.85 m) 2-way	0°	45°	18,000	Tungsten	PFB4-NVK	\$5,995
.200″ (5.0 mm)	33.5″ (0.85 m) 2-way	0°	45°	18,000	Tungsten	PFB5-NVK	\$5,995
.236" (6.0 mm)	33.5″ (0.85 m) 2-way	0°	45°	18,000	Tungsten	PFB6-NVK	\$5,995
.236″ (6.0 mm)	33.5″ (0.85 m) 4-way	0°	45°	18,000	Tungsten	PFB6-4-NVK	\$6,695
		,,	-	-	-1	Jeren		

Made in USA

For individual borescopes and kit components see pages 30 - 31.

*Optional Prism Tip - \$995

Made in USA

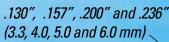
Hawkeye[®] Pro Flexible Borescopes



90° Prism Tip (Optional)

Included with 5.0 mm only

Available for 5.0 and 6.0 mm



You can see the difference!

Low cost borescope through-the-scope image

Diameters

.130" Dia. (3.3 mm) .157" Dia. (4.0 mm) .200" Dia. (5.0 mm) .236" Dia. (6.0 mm)

Hawkeye[®] Pro Flexible Borescopes are available in diameters of 3.3, 4.0, 5.0 and 6.0 mm. The 3.3 mm can look inside very small bores, and navigate tight bends. The 4.0 mm is perfect for specialized applications like aircraft and helicopter maintenance inspection. Hawkeye[®] Pro Flexible Borescopes are tungsten-sheathed and each scope comes complete with the powerful, rechargeable SuperNOVA[™] Light.

These versatile borescopes set a new standard of excellence in quality and functionality, at a very reasonable price.



2-Way Articulation

Four Hawkeye® **Blue Flexible** Borescopes, in diameters from 2.5 mm to 6.0 mm, are 2-way articulating. Control the directionof-view of the tip over a 240° range (±120°), in a single plane, using a thumb-lever on the aluminum borescope body. Lock the lever to hold a particular view. The field-of-view is 45°, except for the 4 mm, which covers a wide 90° field. The viewable image is large and clear.

Choose the diameter and length you need. Larger diameters have more optical glass imaging fibers, giving higher resolution, and thus sharper, more detailed images.

Use Hawkeye Blue Flexible Borescopes to inspect complex castings like engine blocks, turbochargers, tubes, pipes, and turbine engines. *High-quality, smaller diameters, longer lengths, 2- or 4-way articulation!*

2-Way Articulation

3 Diameters .098", .158" and .236" (2.5, 4.0 and 6.0 mm) •

90° Adapter

For 6.0 mm

and 8.0 mm

Super-Tough, Braided Tungsten Sheath Protection with flexibility



Superior Image Quality Acid-leached 25,000 fiber bundle

Hawkeye[®] Blue Flexible Borescopes

Diameter	Length	Articulation	DOV	FOV	Fibers	Sheath	Model #	Price
.098″ (2.5 mm)	27.5″ (0.7 m)	2-way	0 ° 1	60°	7,000	Tungsten	HBF 025 0700 60	\$7,995
.098" (2.5 mm)	47.2″ (1.2 m)	2-way	0 ° 1	60°	7,000	Tungsten	HBF 025 1200 60	\$9,995
.158″ (4.0 mm)	59.1″ (1.5 m)	2-way	0 ° 1	90°	18,000	Tungsten	HBF 040 1500 90	\$8,995
.236" (6.0 mm)	70.8″ (1.8 m)	2-way	0 ° ²	45°	25,000	Tungsten	HBF 060 1800 45	\$8,995
.314″ (8.0 mm)	70.8″ (1.8 m)	4-way	0° 2	45°	25,000	Tungsten	HBF 080 1800 45	\$9,995

Video and lighting sold separately. Other lengths available by special order. See pages 12 - 13 and 28 - 29.

Luxxor®

Made in USA

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Directional Control Control the tip direction & locking

> **4-Way Articulation** Visibility in all directions

¹ Available in 0° standard or 90° by special order.
 ² 90° Adapters available for 6 mm and 8 mm – \$995 ea.

4-Way Articulation

The 8.0 mm diameter Hawkeye® Blue Flexible Borescope is 4-way articulating. Two lockable controls on the borescope body articulate the directionof-view by ±120°, on two mutually perpendicular planes.

The 8.0 mm Blue Flexible contains 25,000 optical glass imaging fibers. All imaging fiber bundles are acid-leached, reducing crosstalk between fibers and increasing contrast.

An impermeable plastic sheath prevents entry of fluids like fuel or oil. A tough, durable, woven tungsten sheath surrounds the plastic, reducing friction and protecting the scope from damage by burrs and sharp edges.

The standard ACMI light post on all Hawkeye Blue Flexible Borescopes accepts a Hawkeye[®] SuperNOVA™ Light or a Luxxor[®] Light Guide and Light. See pages 28 - 29.

Hawkeye Blue Flexible Borescopes come in rugged, lockable carrying cases, with foam inserts for protection.

Hawkeye[®] Classic Flexible Borescopes



PRECISION BORESCOPES

The Hawkeye® Classic Flexible Borescope has 18,000 optical glass

fibers, delivering high resolution. sharpness,

and image detail. An acidleached fiber imaging bundle increases image contrast. Image quality is further enhanced by the super bright Hawkeye® SuperNOVA[™] Light. The plastic-coated, stainless steel gooseneck sheath takes a set before insertion into a cavity. The **Classic Flexible is simpler** and much less expensive than articulating flexible borescopes.

The 90° Mirror Tip changes the directionof-view of the Hawkeye Classic Flexible Borescope, just as mirror tubes do for the Hawkeye[®] Pro and Classic Rigid Borescopes.

Use the Classic Flexible when indirect access is required, but the path is simple enough to set the borescope before entry.

Hawkeve Classic Flexible Borescopes are not repairable; we offer a 10% discount on their replacement.

Diameter

Made in USA

26

Robust flexibility and economy!

18.000 Fibers

Plastic-Coated, Stainless Steel Gooseneck Sheath Simply set the shape before insertion



Timing chain in Honda 500 cc motorcycle

Hawkeye[®] Classic Flexible Borescope Kit

Articulation DOV

Length

.310" (7.9 mm) 39.4" (1.0 m) None

Outside Diameter .310 inches (7.9 mm)

> Outside Diameter .320 inches (8.1 mm)

Mirror Tip Easily threads on for 90° view

Sheath

Coated Stainless

Model #

HFB2-NVK

For individual borescopes and

kit components see pages 30 - 31.

Price

\$2,995

MicroFlex Semi-Rigid FOV 55°, DOV 0° or 90°

Outside Diameter .035 inches (0.9 mm)



MicroFlex Flexible FOV 55°, DOV 0° Three Outside Diameters • • • .020, .035, and .059 inches (0.5 mm, 0.9 mm, and 1.5 mm)

Every Hawkeye® Pro MicroFlex Borescope Includes:

- Hawkeye[®] Semi-Rigid or Flexible Borescope
- C-Mount Adapter
- Rugged Hawkeye[®] Carrying Case
- Hawkeye[®] Cleaning Kit

(Light Sources and Light Guides sold separately)

Hawkeye[®] MicroFlex Semi-Rigid Borescopes

Diameter /	Length	DOV	Model	Model #
.035" (0.9 mm)	6" (150 mm)	0°	Semi-Rigid	HSR 009 0150 55
.035″ (0.9 mm)	6" (150 mm)	90°	Semi-Rigid	HSR 009 0159 55

Hawkeye[®] MicroFlex Flexible Borescopes

.020" (0.5 mm)	19.6" (0.5 m)	0°	Flexible	HSF 005 0600 55
.035" (0.9 mm)	39.4" (1.0 m)	0°	Flexible	HSF 009 1000 55
.059" (1.5 mm)	31.5 ″ (0.8 m)	0°	Flexible	HSF 015 0800 70

Optional Accessories

Luxxor® Video Camera System (Pgs. 12 - 13)	LXX-VBSM	
Luxxor® 24 Light Source	LXX24	
Luxxor® Light Guide	LXXLG	
Sony [®] Professional Video Monitor	SVM-15	
USB 2.0 Image Capture Interface	VC-USB2	



GRADIENT LENS CORPORATION • phone 800.536.0790 fax 585.235.6645 • gradientlens.com • info@gradientlens.com

0° & 90°

FOV

45°

Fibers

18,000

Hawkeye[®] Pro MicroFlex Borescopes

Semi-Rigid .035" (0.9 mm)

The Nitinol-sheathed Hawkeye[®] MicroFlex Semi-Rigid Borescopes contain 10,000 fiber imaging bundles, are 6 inches long, and offer 0° and 90° views.

Flexible .020" (0.5 mm) .035" (0.9 mm) .059" (1.5 mm)

The excellent image quality Hawkeye® **MicroFlex Flexible** Borescopes deliver, in these very small micro diameters, is nothing short of amazing! You can access even the smallest opening, and utilize a 9-inch bend radius when the entry path is not straight. The polyamide-sheathed 0.5 and 0.9 mm models have 10,000 pixel fiber imaging bundles, and the plastic-sheathed 1.5 mm has a 30,000 fiber bundle. The eyepiece is easily replaced with a video adapter to use a C-Mount camera. Quickly and easily inspect cooling holes inside turbine blades, cannulas, catheters, needles, trocars, valves in medical devices, and many other micro manufactured parts. Made in USA

\$4,795

\$4,795 \$4,695 \$4,795

\$3,640 \$775 \$225 \$1,350 \$435

Hawkeye[®] Light Sources



Hawkeye® Portable Light Sources are powerful, delivering go-anywhere convenience!

Any Hawkeye[®] or Luxxor[®] Light Source can be used with any Hawkeye® Rigid or Flexible Borescope

PRECISION BORESCOPES



Mini Maglite[®] Flashlight

The Mini Maglite[®] flashlight comes with Hawkeye[®] Classic Borescope Kits. It gives plenty of light for shorter working distances and reflective surfaces.



Hawkeye[®] LED Light

This adjustable LED light source delivers brighter, whiter light than the Mini Maglite[®] flashlight, and offers much longer lamp life. Operates on standard AA batteries.



Hawkeye[®] SuperNOVA[™]

The Hawkeye[®] SuperNOVA[™] Light comes with all Hawkeye[®] Pro Borescope kits, rigid and flexible. This xenon doped halogen light is bright enough for all but the largest and darkest cavities. It shows detail you would miss with a less powerful light.

	Rel. Intens.	Adj. Intens.	Power Source	Run Time	Lamp Life	Weight	Model #	Price
Mini-Maglite® Flashlight) 1X	Yes	AA Alkaline	1 hr. (cont.)	2 hrs. (approx.)	5 oz. (142 g)	MMAA (\$25 incl. adapter)
Hawkeye® LED Light	12X	Yes	AA Alkaline	3 hrs. (cont.)	50,000 hrs.	4 oz. (113 g)	HAWKEYE LE	ED \$135
Hawkeye® SuperNOVA™	10X	Yes	Rechrg. Li-Ion	3 hrs. (cont.)	25 hrs.	13.5 oz. (380 g)	SuperNOVA	\$225

Luxxor[®] Light Sources

Luxxor® Luxxor[®] 24 Light Source



The Luxxor[®] 24 Light has a 24-watt metal-halide arc lamp, for very high brightness. It is 60% brighter than a typical 150-watt halogen light. Use it for dark, deep subjects and video or still photography.



Luxxor[®] Benchtop Light Sources use super-bright and efficient metal-halide arc lamps.

Luxxor[®] 50 Light Source

To photograph very large, dark cavities, like the combustion chambers of turbine engines, marine diesel cylinders, or tanks, the Luxxor 50 Light Source is incredibly powerful. Its 50-watt metal-halide arc lamp is twice as bright as the Luxxor 24.

	Rel. Intens.	Adj. Intens.	Power Source	Run Time	Lamp Life	Weight	Model #	Price
Luxxor [®] 24 ¹	30X	Yes	110V - 240V	Indefinite	500 hrs.	2.3 lbs. (1.0 kg)	LXX24	\$775
Luxxor [®] 50 ¹	60X	Yes	110V	Indefinite	2500 hrs.	5.3 lbs. (2.4 kg)	LXX50	\$2,995
Luxxor [®] Light Guide (Required to connect all Luxxor [®] Light Sources to Hawkeye [®] Borescopes) Length 7' LXXLG								

¹ Luxxor Light Guide required.

Dual UV & White Light Inspection

UV Light Source

The 200-watt, Mercury Arc Lamp, UV Light Source is amazingly bright, and allows users to easily switch from white light to ultraviolet (UV) light! In the UV mode it works best with shorter length Hawkeye rigid borescopes. When used in conjunction with fluorescent dye penetrants, it provides reliable, non-destructive inspection of missioncritical parts, such as those used in aerospace and automotive applications. A Liquid Light Guide is required.

	Rel. Inten	ıs. Adj. Intens.	Power Source	Run Time	Lamp Life	Weight	Model #	Price
UV-Light Source ²	90X	Yes	10V - 260V	Indefinite	1500 hrs.	20 lbs. (9.0 kg)	UV-LIGHT	\$6,900
\bigcirc	Liquid Light Gu	i de (Connects L	umatec UV Light to	Hawkeye® B	orescopes) Lenç	jth 6'	UV-LIGHT GUIDE	\$500
							² Liguid Light Gui	de required.

30-Day Customer Satisfaction Guarantee for Direct Customers

If, for any reason, you are not satisfied with your purchase from us:

- · Contact customer service within 30 days.
- We give you a Return Merchandise Authorization (RMA) number.
- You ship the product back, in *original condition*, with all packaging.
- We refund the purchase price, minus our shipping and handling costs.
- If you bought from one of our dealers, please contact them directly.

Please call for an RMA number first. We will not accept products without it.

Limited Warranty

Domestic customers: We accept most major credit cards, bank Gradient Lens Corporation warrants that all Hawkeye borescopes and personal checks (subject to clearance). We offer net 30-day and accessories will be free of defects in materials and accounts for approved businesses, subject to delay for processing. workmanship for one year from the date of first retail purchase, International customers: We accept credit cards, wire transfers, with the exception of broken optics. or US dollar bank drafts. There is a US \$30 export-processing fee, Video and lighting products have manufacturers' warranties of for international shipments. Contact us for more information.

one year.

Service

For warranty claims, repairs, or if you are not sure which:

- Contact customer service
- We give you a Return Merchandise Authorization number
- · You ship the product back. Pack it well.

Luxxor[®] Light Sources



Luxxor®

Cust	tomer	Servi	ce

- If the product meets our warranty conditions, we will repair or replace it. If it does not, there are two options:
 - Get an estimate of repair or replacement cost.
 - Have us repair it without an estimate.
- If we cannot repair a Hawkeye Pro or Classic Rigid Borescope, we will replace it at a 20% discount off the current list price, in return for the broken one.
- Service charges for Hawkeye Blue Borescopes require individual factory estimates, which take longer. We offer a 10% discount on replacement, if not repairable.
- We offer a 10% discount on the replacement of Hawkeye Pro MicroFlex, Classic Flexible, and Pro Flexible borescopes when they are not repairable.

All prices and specifications subject to change without notice.

Payment

Shipping

UPS, FedEx, and DHL Global (Not the US Postal Service)

Contact:

Gradient Lens Corporation Phone: 1.800.536.0790 or 1.585.235.2620 East Coast: 207 Tremont St., Rochester, NY 14608 West Coast: 4647 Jackson Lane, Unit D, Phelan, CA 92371

PRECISION BORESCOPES

Accessories

Video Coupler Lens

Hawkeye[®] Angled Eyepiece

When you cannot position your eye close to a borescope eyecup, the Hawkeye Angled Eyepiece makes it accessible. It clamps onto the eyecup and reflects the image 90° through its own focusing eyepiece.

The Video Coupler Lens connects borescopes to video

cameras for live video inspection and documentation.

They deliver a full field-of-view and are available in

25 mm, 35 mm and 75 mm focal lengths.

Protective Sheaths

Angled Eyepiece (AE-9003) \$275



25 mm Focal Length Coupler

35 mm Focal Length Coupler

75 mm Focal Length Coupler

35 mm Adjustable Focus Coupler

Item

The Hawkeye Angled Eyepiece inverts the image, correcting the image inversion of a mirror tube. Its excellent optics sustain the high image quality of the borescopes.

Catalog #

VC-25

VC-35

HVA-2

VC-75

Protective Sheaths

Item

Price

\$395

\$395

\$495

\$595

Price

\$75

Hawkeye[®] Pro Flexible Borescopes



					-				
Diameter	Length	Catalog #	Page	Price	Diameter	Longth	Cotolog #	Dogo	
Pro Flex .130"	33.5″	PFB3	22	\$5,795		Length 3"	Catalog #	Page	_
Pro Flex .157"	33.5″	PFB4	22	\$5,795	MicroSlim .084"	-	MTMS03	16	_
Pro Flex .200"	33.5″	PFB5	22	\$5,795	MicroSlim .084"	5″	MTMS05	16	_
Pro Flex .236"	33.5″	PFB6	22	\$5,795	MicroSlim .084"	7″	MTMS07	16	_
Pro Flex .236"	33.5″	PFB6-4	22	\$6,495	SuperSlim .109"	4″	MTSS04	16	_
90° Prism Tip .200″		FTP-5-90	22	\$995	SuperSlim .109"	8″	MTSS08	16	
90° Mirror Tip .200″		FTP-5-PFB	22	\$295	SuperSlim .150"	10″	MTSS10	16	
30 WIITOT TIP.200		FIF-J-FFD	22		SuperSlim .150"	14″	MTSS14	16	
Hawkeye® Blue Fl	exible 90	° Adapters			SuperSlim .150"	17″	MTSS17	16	
ltem		Catalog #	Page	Price	Slim .188"	2″	MTS02	15, 19	
6 mm 90° Prism Tip		FTP-6-90	24	\$995	Slim .188"	7″	MTS07	15, 19	
8 mm 90° Prism Tip		FTP-8-90	24	\$995	Slim .188"	12″	MTS12	15, 19	
					Slim .188"	17″	MTS17	15, 19	
Replacement Lam	ns & Batt	eries 👘			Slim .188"	22″	MTS22	15, 19	
Item	•	log #	Qty.	Price	Hardy .313"	7″	MTH07	17, 19	
SuperNOVA [™] Lamps		BULB-KIT	Pkg. of 12	\$78	Hardy .313"	12″	MTH12	17, 19	
Mini Maglite [®] Lamps		1-LAMP-KIT	Pkg. of 24	\$30	Hardy .313"	17″	MTH17	17, 19	
			0		Hardy .313"	22″	MTH22	17, 19	-
Luxxor® 24 Lamp		LAMP-24	one (1)	\$180	Super Hardy .312"	28″	MTSH28	19	-
Luxxor® 50 Lamp		LAMP-50	one (1)	\$595	Super Hardy .312"	37″	MTSH37	19	-
UV Lamp	UV-L	AMP	one (1)	\$695		0,			-

1				2	-				
Diameter	Length	Catalog #	Page	Price	Diameter	Longth	Cotolog #	Dogo	Pri
Pro Flex .130"	33.5″	PFB3	22	\$5,795		Length	Catalog #	Page	
Pro Flex .157"	33.5″	PFB4	22	\$5,795	MicroSlim .084"	3″	MTMS03	16	\$1
Pro Flex .200"	33.5″	PFB5	22	\$5,795	MicroSlim .084"	5″	MTMS05	16	\$2
Pro Flex .236"	33.5″	PFB6	22	\$5,795	MicroSlim .084"	7″	MTMS07	16	\$2
Pro Flex .236"	33.5″	PFB6-4	22	\$6,495	SuperSlim .109"	4″	MTSS04	16	\$1
90° Prism Tip .200″	00.0	FTP-5-90	22	\$995	SuperSlim .109"	8″	MTSS08	16	\$1
90° Mirror Tip .200″		FTP-5-PFB	22	\$295	SuperSlim .150"	10″	MTSS10	16	\$2
30 WIITOT TIP .200		FIF-J-FFD	22	φ290	SuperSlim .150"	14″	MTSS14	16	\$2
Hawkeye® Blue Fl	exible 90	° Adapters			SuperSlim .150"	17″	MTSS17	16	\$2
ltem		Catalog #	Page	Price	Slim .188"	2″	MTS02	15, 19	\$
6 mm 90° Prism Tip		FTP-6-90	24	\$995	Slim .188"	7″	MTS07	15, 19	\$
8 mm 90° Prism Tip		FTP-8-90	24	\$995	Slim .188"	12″	MTS12	15, 19	\$1
			L 1		Slim .188"	17″	MTS17	15, 19	\$1
Replacement Lam	ns & Batt	eries 👘			Slim .188″	22″	MTS22	15, 19	\$1
Item		log #	Qty.	Price	Hardy .313"	7″	MTH07	17, 19	\$1
SuperNOVA™Lamps		BULB-KIT	Pkg. of 12	\$78	Hardy .313"	12″	MTH12	17, 19	\$1
	_	I-LAMP-KIT	-	\$30	Hardy .313"	17″	MTH17	17, 19	\$1
Mini Maglite® Lamps			Pkg. of 24		Hardy .313"	22″	MTH22	17, 19	\$2
Luxxor® 24 Lamp		LAMP-24	one (1)	\$180	Super Hardy .312"	28″	MTSH28	19	\$2
Luxxor [®] 50 Lamp	LXX-	LAMP-50	one (1)	\$595	·				
UV Lamp		AMP	one (1)	\$695	Super Hardy .312"	37″	MTSH37	19	\$2

Length	Catalog #	Page	Price	-			_	
-		-	\$5,795		-			Price
				MicroSlim .084"	-	MTMS03	16	\$195
				MicroSlim .084"	5″	MTMS05	16	\$225
				MicroSlim .084"	7″	MTMS07	16	\$255
				SuperSlim .109"	4″	MTSS04	16	\$175
33.5				SuperSlim .109"	8″	MTSS08	16	\$195
				SuperSlim .150"	10″	MTSS10	16	\$215
	FTP-5-PFB	22	\$295	SuperSlim .150"	14″	MTSS14	16	\$235
cible 90	° Adapters			SuperSlim .150"	17″	MTSS17	16	\$255
	-	Page	Price	Slim .188"	2″	MTS02	15, 19	\$150
	-	-		Slim .188"	7″	MTS07	15, 19	\$135
				Slim .188"	12″	MTS12	15, 19	\$145
		21		Slim .188"	17″	MTS17	15, 19	\$155
& Ratt	eries 👘			Slim .188"	22″	MTS22	15, 19	\$195
		Otv	Price	Hardy .313"	7″	MTH07	17, 19	\$145
	-	-		Hardy .313"	12″	MTH12	17, 19	\$155
		•		Hardy .313"	17″	MTH17	17, 19	\$165
		•		Hardy .313"	22″	MTH22	17, 19	\$205
			· · · · ·					\$295
								\$295
UV-L	AMP	one (1)	\$695		57	101101107	IJ	φΖΰΰ
SN-E	BATT-KIT	two (2)	\$65					
	33.5" 33.5" 33.5" 33.5" 33.5" 33.5" xible 90 & Batt Cata SN-E MM ¹ LXX- UV-L	33.5" PFB3 33.5" PFB4 33.5" PFB5 33.5" PFB6 33.5" PFB6 33.5" PFB6-4 FTP-5-90 FTP-5-PFB Kible 90° Adapters Catalog # SN-BULB-KIT MM1-LAMP-KIT LXX-LAMP-24 LXX-LAMP-50 UV-LAMP	33.5" PFB3 22 33.5" PFB4 22 33.5" PFB5 22 33.5" PFB6 22 33.5" PFB6-4 22 Stible 90° Adapters 22 Catalog # Page FTP-6-90 24 FTP-8-90 24 & Batteries D Catalog # Oty. SN-BULB-KIT Pkg. of 12 MM1-LAMP-KIT Pkg. of 24 LXX-LAMP-24 one (1) UV-LAMP one (1)	33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$255 Stible 90° Adapters Catalog # Page Price FTP-6-90 24 \$995 \$77 FTP-8-90 24 \$995 \$78 Katteries Stateries Stateries \$30 Catalog # Oty. Price \$30 LXX-LAMP-KIT Pkg. of 24 \$30 \$278 <td>Base Diameter 33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6-4 22 \$6,495 SuperSlim .109" SuperSlim .109" SuperSlim .109" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" Slim .188" Slim .188" Slim .188" Slim .188 Slim .188" Slim .188" Slim .188 Slim .133" Hardy .313" LXX-LAMP-50</td> <td>Jameter Length 33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$995 FTP-5-PFB 22 \$295 catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 Slim .188" 17" Slim .188" 12" Slim .188" 12" Slim .188" 12" Slim .188" 12" Hardy .313" 17" Hardy .313" 12" Hardy .313" 12" Hardy .313" 12" Hardy .313" 12" Hardy .313" 22" Super Hardy .312" 28" <!--</td--><td>Diameter Length Catalog # 33.5" PFB3 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$995 FTP-5-PFB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTH107 Hardy .313" 17" MTH12 Hardy .313" 17" MTH12<!--</td--><td>33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$295 FTP-5-9FB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS02 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTH07 17, 19 Hardy .313" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19<!--</td--></td></td></td>	Base Diameter 33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6-4 22 \$6,495 SuperSlim .109" SuperSlim .109" SuperSlim .109" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" SuperSlim .150" Slim .188" Slim .188" Slim .188" Slim .188 Slim .188" Slim .188" Slim .188 Slim .133" Hardy .313" LXX-LAMP-50	Jameter Length 33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$995 FTP-5-PFB 22 \$295 catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 Slim .188" 17" Slim .188" 12" Slim .188" 12" Slim .188" 12" Slim .188" 12" Hardy .313" 17" Hardy .313" 12" Hardy .313" 12" Hardy .313" 12" Hardy .313" 12" Hardy .313" 22" Super Hardy .312" 28" </td <td>Diameter Length Catalog # 33.5" PFB3 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$995 FTP-5-PFB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTH107 Hardy .313" 17" MTH12 Hardy .313" 17" MTH12<!--</td--><td>33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$295 FTP-5-9FB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS02 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTH07 17, 19 Hardy .313" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19<!--</td--></td></td>	Diameter Length Catalog # 33.5" PFB3 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$995 FTP-5-PFB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTS12 Slim .188" 12" MTH107 Hardy .313" 17" MTH12 Hardy .313" 17" MTH12 </td <td>33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$295 FTP-5-9FB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS02 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTH07 17, 19 Hardy .313" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19<!--</td--></td>	33.5" PFB3 22 \$5,795 33.5" PFB4 22 \$5,795 33.5" PFB5 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6 22 \$5,795 33.5" PFB6.4 22 \$6,495 FTP-5-90 22 \$295 FTP-5-9FB 22 \$295 Catalog # Page Price FTP-6-90 24 \$995 FTP-8-90 24 \$995 FTP-8-90 24 \$995 SIm .188" 12" MTS02 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTS12 15, 19 Slim .188" 12" MTH07 17, 19 Hardy .313" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19 Slim .188" 12" MTH12 17, 19 </td

Best service in borescopes, bar none.

All prices apply to both Hawkeye Pro and Classic rigid borescopes.

Diameter	Length	Description	Catalog #	Price	Diameter	Length	Description	Catalog #	Price
Hardy .250"	7″	Borescope Repair	REP-HH07	\$195	Slim Prism	12″	Rod Repair	REP-PS12-30	\$225
Hardy .250"	12″	Borescope Repair	REP-HH12	\$225	Slim Prism	17″	Rod Repair	REP-PS17-30	\$245
Hardy .250"	17″	Borescope Repair	REP-HH17	\$245	Classic to Pro U	ograde		RETRO	\$295
Hardy .250"	22″	Borescope Repair	REP-HH22	\$345	MicroSlim .073"	3″	Borescope Repair	REP-HMS03	\$400
Super Hardy	28″	Borescope Repair	REP-PSH28	\$695	MicroSlim .073"	5″	Borescope Repair	REP-HMS05	\$500
Super Hardy	37″	Borescope Repair	REP-PSH37	\$695	MicroSlim .073"	7″	Borescope Repair	REP-HMS07	\$500
Slim .165"	7″	Borescope Repair	REP-HS07	\$195	SuperSlim .098 "	4″	Borescope Repair	REP-HSS04	\$270
Slim .165"	12″	Borescope Repair	REP-HS12	\$225	SuperSlim .098"	8″	Borescope Repair	REP-HSS08	\$290
Slim .165"	17″	Borescope Repair	REP-HS17	\$245	SuperSlim .110"	10″	Borescope Repair	REP-PSS10	\$345
Slim .165"	22″	Borescope Repair	REP-HS22	\$345	SuperSlim .110"	14″	Borescope Repair	REP-PSS14	\$395
Slim Prism	All	Objective Lens Repair	REP-PSP0	\$600	SuperSlim .110"	17″	Borescope Repair	REP-PSS17	\$445
Slim Prism	7″	Rod Repair	REP-PS07-30	\$195	All	All	Mirror Replacement	MREP	\$85

Please call for an estimate regarding repairs of fiberscopes and videoscopes.

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in all diameters for 3" - 22" scopes. Call, or visit, our website for Catalog #.

Components

Most customers buy complete Hawkeye® Pro and Classic Borescope Kits. However, all of the kit components are also available separately and are listed below. Prices are for borescopes only. Light sources and cases are sold separately.

Protective sheaths fit over Pro or Classic rigid borescopes. We offer them

Hawkeye[®] V2 Video Borescope Accessories



ltem Catalog # Price V2 Charger \$30 V2 Charger **PVM50 BATTERY** \$50 Spare Battery \$30 Spare Battery Charger **PVM50** Charger \$725 V2 LED Lightsource **PVS LED Lightsource Batteries** PVS-LED-BAT \$10 Lightsource Battery Charger PVS-LED-BT-CHGR \$25 4mm V2 Rigidizer V2-RT4 \$195 6mm V2 Rigidizer V2-RT6 \$195 V2 Stand V2-Stand \$95

awkeye[®] Classic Precision Borescopes

Diameter	Length	Catalog #	Page	Price
Slim .165"	7″	HS07-AF	19	\$775
Slim .165"	12″	HS12-AF	19	\$825
Slim .165"	17″	HS17-AF	19	\$895
Slim .165"	22″	HS22-AF	19	\$1,095
Hardy .250"	7″	HH07-AF	19	\$845
Hardy .250"	12″	HH12-AF	19	\$895
Hardy .250"	17″	HH17-AF	19	\$945
Hardy .250"	22″	HH22-AF	19	\$1,195

lawkeye[®] Pro Precision Borescopes

Diameter	Length	Catalog #	Page	Price
MicroSlim .073"	3″	MS03	16	\$1,295
MicroSlim .073"	5″	MS05	16	\$1,495
MicroSlim .073"	7″	MS07	16	\$1,695

Hawkeye[®] Pro Precision Borescopes (cont'd)

Diameter	Length	Catalog #	Page	Price
SuperSlim .098"	4″	PSS04	16	\$1,095
SuperSlim .098"	8″	PSS08	16	\$1,195
SuperSlim .110"	10″	PSS10	16	\$1,295
SuperSlim .110"	14″	PSS14	16	\$1,395
SuperSlim .110"	17″	PSS17	16	\$1,495
Slim .165"	2″	PS02	15	\$895
Slim .165"	7″	PS07	15	\$895
Slim .165"	12″	PS12	15	\$995
Slim .165"	17″	PS17	15	\$1,095
Slim .165"	22″	PS22	15	\$1,495
Slim Prism	7″	PS07-30	15	\$1,595
Slim Prism	12″	PS12-30	15	\$1,695
Slim Prism	17″	PS17-30	15	\$1,795
Hardy .250″	7″	PH07	17	\$995
Hardy .250″	12″	PH12	17	\$1,095
Hardy .250″	17″	PH17	17	\$1,195
Hardy .250″	22″	PH22	17	\$1,595
Super Hardy .283"	28″	PSH28	17	\$2,650
Super Hardy .283"	37″	PSH37	17	\$2,950

Hawkeye[®] Classic Flexible Borescopes

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Diameter	Length	Catalog #	Page	Price			
Classic Flex .310"	39.4″	HFB2	26	\$2,645			
Classic 90° Mirror Tip		HFB-90-2	26	\$150			

Hawkeye[®] Pro & Classic Borescope Mirror Tubes

Repairs