

Rigid Borescopes with Orbital Rotation

Lenox Instrument Company offers an extensive line of quality, high performance rigid borescopes. These scopes are the most broadly applied method of remote visual inspection in a variety of industrial and commercial applications, providing the best value on a performance vs. cost evaluation. Lenox Rigid Borescopes are commonly used to inspect inside aircraft engines, tubing and pipe, and machined, cast and hydraulic parts.

Rigid Borescopes have an "Orbital Scan" feature that allows the user to "scan around" the area of inspection without rotating the entire instrument. With a Lenox Rigid Borescope, it is possible to identify details and flaws as small as 0.001 inch. All feature the highest intensity fiberoptic illumination (standard) and with a variety of probes (direct, forward oblique, to-the-side or retrospective), magnifications and fields of view available, any type of cavity can be easily and effectively probed, on any budget.

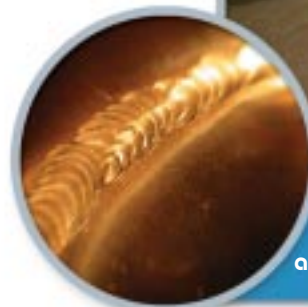
Lenox optical systems are computer-designed to produce an abundance of near-100%-white light and the highest possible resolution. As a result, Lenox optics provide bright, clear, true-color images, whether seen through an eyepiece, digitally captured, or video transmitted for viewing on a remote monitor. Lenox Rigid Borescopes consistently achieve the highest possible resolution scores in tests, using N.I.S.T. resolution targets.

The Rigid Borescopes feature rugged stainless steel construction and are sealed against fluids; they are available in diameters from 4 mm (.157 inch) to 10 mm (0.395 inch), and lengths from 17.8 cm (7 inches) to 160 cm (63 inches).

A complete selection of light sources, accessories, camera and video adapters and monitoring equipment are available for all Lenox Rigid Borescopes. Additionally, all Rigid scopes are backed by Lenox's industry-leading two-year warranty.



Rigid Borescope with optional light source



Actual image through a Lenox Rigid Borescope

Rigid Borescopes with Orbital Rotation

Diameter	Working Length	Stock Number	Description
4mm .157 inch	177.8mm 7 inches	7E040D-20040	Direct view, includes carrying case
4mm .157 inch	177.8mm 7 inches	7E040QR-20055	Right angle view, includes carrying case
4mm .157 inch	279.4mm 11 inches	7E040D-29040	Direct view, includes carrying case
4mm .157 inch	279.4mm 11 inches	7E040QR-29055	Right angle view, includes carrying case
6mm .240 inch	304.8mm 12 inches	7E060D-31040	Direct view, includes carrying case
6mm .240 inch	304.8mm 12 inches	7E060QR-31055	Right angle view, includes carrying case
6mm .240 inch	457.2mm 18 inches	7E060D-47040	Direct view, includes carrying case
6mm .240 inch	457.2mm 18 inches	7E060QR-47055	Right angle view, includes carrying case
8mm .315 inch	254mm 10 inches	7E080D-25055	Direct view, includes carrying case
8mm .315 inch	254mm 10 inches	7E080QR-25055	Right angle view, includes carrying case
8mm .315 inch	330.2mm 13 inches	7E080D-35040	Direct view, includes carrying case
8mm .315 inch	330.2mm 13 inches	7E080QF-35055	Forward oblique view, includes carrying case
8mm .315 inch	330.2mm 13 inches	7E080QR-35055	Right angle view, includes carrying case
8mm .315 inch	431.8mm 17 inches	7E080QR-44055	Right angle view, includes carrying case
8mm .315 inch	812.8mm 32 inches	7E080D-83055	Direct view, includes carrying case
8mm .315 inch	812.8mm 32 inches	7E080QR-83055	Right angle view, includes carrying case
10mm .395 inch	381mm 15 inches	7E100D-39055	Direct view, includes carrying case
10mm .395 inch	381mm 15 inches	7E100QR-39055	Right angle view, includes carrying case
10mm .395 inch	660.4mm 26 inches	7E100D-68055	Direct view, includes carrying case
10mm .395 inch	660.4mm 26 inches	7E100QR-68055	Right angle view, includes carrying case

Rigid Borescopes require a Light Source and Light Cable for proper use.

Note – Rotating 90° Mirror Tubes are available for all Direct View Rigid Borescopes. Additional working lengths available - consult factory.

Rigid Borescope Accessories



Stock Number	Description
7200A-0011	Light Cable (72 inches)
7200A-0014	Light Cable (96 inches)
3000LS-150	Light Source (150w output, 50-60hz)
3000LS-1000	Light Source (300w output, 50-60hz)
3000LS-6VDC	Portable DC Light Source (150w output)
10515K-0000	Color Video Package (Camera, Monitor and Camera Adapter)
515-0186	Mini Digital Recorder w/ 4" LCD