

Graham Recertified 3480 and 3490e

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- Lowest single-track error rates
- Exceed industry standards for quality
- Guaranteed for 10 years
- Green quality you can depend on

Recertified

Graham Magnetics calls our process “Recertification”, not reworked, not re-manufactured, not reconditioned, or any other names you may hear. As the only tape manufacturer that also offers a full line of Recertified media, we take the same great care and pride in our offerings of Recertified media as we have historically been well known for in our new Graham Magnetics brand of products.

Quality Certified

We test every tape full length, on production drives, to at least equivalent to ANSI Standards for new media. We’re so confident in our testing process that all of our recertified media is marked with the Graham quality trademark.

Environment

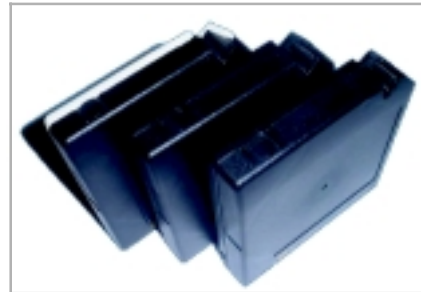
From an environmental standpoint, Graham Magnetics is proud to extend these products life and save our landfills from mountains of discarded, but viable, media. Graham developed this Recertification program as a way to recycle media to comply with various Government Green Procurement Regulations for the use of post-consumer materials.

Labeled and Initialized Media

All 3480 and 3490e cartridges can be labeled and initialized at the time of purchase to work immediately with most popular operating systems. Performing this necessary step in the factory off-line, saves your data center both time and money.

Characteristics of Recertified Media

- Usable used media, no longer needed
- All existing serial and library labels removed
- All data is removed by thorough degaussing



- Each tape is physically inspected to assure performance characteristics are not compromised
- Each individual tape is certified with a binary test to assure high quality performance per our published specifications. These are at least equivalent to ANSI standards
- Tapes that do not pass the rigorous Graham Magnetics requirements of physical and performance standards are degaussed and destroyed
- All recertified media is packaged to provide the same shipping protection and appearance as new
- Each recertified tape from Graham Magnetics is date stamped when tested

When a tape passes the Graham quality standards, we mark it with our Quality Trademark. It is guaranteed for 10 years from that date.

GRAHAM QUALITY TRADEMARK

100% TESTED 25604

Results

Using our Recertified cartridges saves customers significantly on media purchases, and since each cartridge is tested for damage as well as error activity, Graham’s Recertified media is often reported to run “better than new”. The only difference, beside the cost savings, a data center will notice is a likely decrease in tape related problems.

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Specifications

	3480	3480-XL	3490e	3490e-XL
Capacity				
Uncompressed, nominal	215 MB	250 MB	810 MB	850 MB
Compressed, nominal	430 MB	500 MB	2.4 GB	2.55 GB
Physical Properties				
Length, nominal (feet)	541	660	1100	1165
Width, nominal (+/-0.01 inches)	0.498	0.498	0.495	0.495
Thickness, nominal				
Base (μ inches)	920	920	550	550
Overall (μ inches)	1040	1040	660	660
Coating Adhesion				
lbs-force/inch	>2.1	>2.1	>2.1	>2.1
Media Life				
Short-length Durability				
Expected Passes	500,000	500,000	240,000	240,000
Minimum Passes	240,000	240,000	240,000	240,000
Long-length Durability				
Expected Passes	4,000	4,000	2,000	2,000
Minimum Passes	2,000	2,000	2,000	2,000
Tape Abrasivity using Ferrite Bar (inches)	≤ 0.0022	≤ 0.0022	≤ 0.0022	≤ 0.0022
Operating Properties				
ECC's *	≤ 500	≤ 500	≤ 1000	≤ 1000
* Per ANSI Standards				
ERG's *	≤ 6	≤ 6	≤ 10	≤ 10
* Per ANSI Standards				
Permanent Errors	0	0	0	0
General Properties				
Base Material		Polyester		
Magnetic Particle		Chromium Dioxide		
Coating Electrical Resistance (ohms/sq)		10 ⁵ to 5 x 10 ⁸		
Toxicity		Non-toxic		
Magnetic Properties				
Coercivity (B-H), nominal		600 Oersteds		
Orientation Ratio		2.5		
Environmental Conditions, nominal				
Temperature – Operating		60° – 90° F (15° – 32° C)		
Temperature – Storage		40° – 90° F (4° – 32° C)		
Relative Humidity % – Operating		20 – 80 % RH		
Relative Humidity % – Storage		5 – 80 % RH		
Warranty for Recertified Cartridges by Graham Magnetics				
Warranty		10 years		

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WARRANTY: eMag warrants to the initial end-user purchaser that Graham Recertified Tape Cartridges are and shall remain free from manufacturing defects under normal use for the period of time defined above. If this product fails to meet eMag's published specifications during this warranty period, eMag's sole liability and the purchaser's exclusive remedy shall be replacement of the product upon receipt by eMag of the defective product. This warranty is made in lieu of all other warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Neither eMag nor anyone else who has been involved in the sale or delivery of this product shall be liable for any direct, indirect, incidental, special or consequential damages (including damages for loss of profits, revenues, or business and the like) in any way related to the use of this product, even if eMag has been informed of the possibilities of such damages. The foregoing language cannot be waived, modified, or supplemented in any manner whatsoever except in writing signed by authorized officers of eMag. This warranty gives you specific legal rights, and you may have other rights that vary from state to state and from country to country.