



“ I have been impressed by Coolspirit’s personable and can do approach to everything they do. They have played an important part in ensuring that the customer comes first, that is clearly reflected in what they do ”

Abdo Gadmour
IBM Systems and Technology Group

Our address

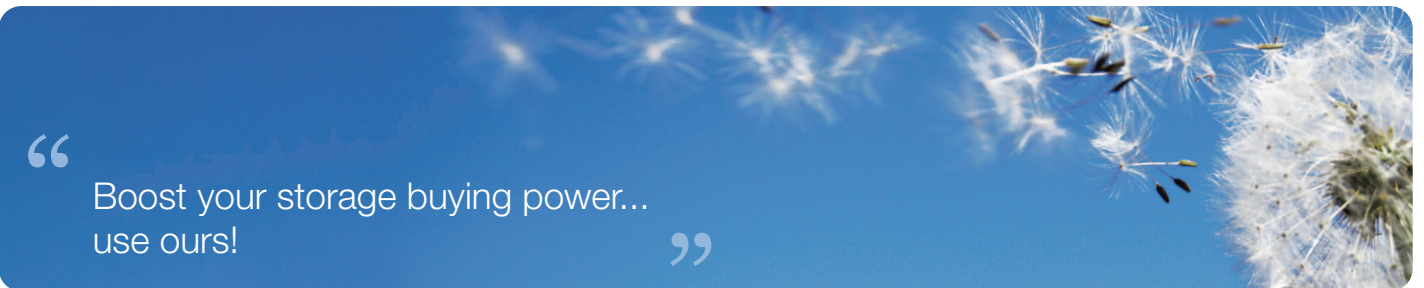
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Office hours

mon - thurs 8:30am - 5:30pm
fri 8:30am - 5pm
sat - sun Closed



“ Boost your storage buying power... use ours! ”

High-capacity, high-reliability tape storage media at competitive prices



Magstar 3590 High Performance Cartridge Tape and Extended High Performance Cartridge Tape

Highlights

Provides outstanding capacity, performance, and reliability in both 128- or 256-track formats

Protects existing investments by coexisting with 3490 cartridges

Enables capacity flexibility with a choice of native media capability ranging from 10/20 to 20/40 GB

High capacity

IBM Magstar* 3590 Extended High Performance Cartridge Tape continues the IBM commitment to tape technology by doubling the length and providing twice the capacity of IBM Magstar 3590 High Performance Cartridge Tape. These tape products dramatically increase the data storage capacity of half-inch cartridge tape. In addition, both types of cartridges can reside in the same physical space as 3490 cartridges, and they can also coexist in an IBM Magstar 3494 Tape Library.



Cost effectiveness

Higher capacity cartridges can reduce the amount of equipment as well as the number of cartridges and tape mounts required in the tape environment. A reduction in the number of cartridges required for backup and restore operations can lower operational costs throughout the enterprise.

- 3570 Magstar MP tape cartridges
- 3590E, 3590, 3490E and 3480 tape cartridges
- M/O optical discs and DVD-RAM Discs
- 4mm and 8mm data cartridges
- 1/4" (QIC) MLR/SLR data cartridges
- DLTtape™ IV and Super DLT data cartridges
- Cleaning cartridges in all popular formats

Quality data storage products from IBM

IBM offers a complete line of quality data storage products to support applications ranging from PC desktops to enterprise-wide mainframe libraries. Some of the available products are:

Magstar 3590 Cartridge Tape at a glance

Characteristics

Drive type Linear half-inch cartridge

Media type Metal Particle (MP)

Cartridge capacity (with 3:1 compression)¹

	H. P. Cartridge Tape	Extended H. P. Cartridge Tape
3590 B11/B1A	10 GB (30 GB ¹)	20 GB (60 GB ¹)
3590 E11/E1A	20 GB (60 GB ¹)	40 GB (120 GB ¹)

Physical and magnetic characteristics

	H. P. Cartridge Tape	Extended H. P. Cartridge Tape
Substrate	Polyethylene Terephthalate (PET)	Polyethylene Naphthalate (PEN)
Substrate thickness	0.56 mils nominal (14.2 microns)	0.25 mils nominal (6.3 microns)
Total tape thickness	0.66 mils nominal (16.8 microns)	0.35 mils nominal (8.9 microns)
Tape length	1,050 ft. nominal (320 meters)	2,080 ft. nominal (634 meters)
Magnetic coercivity	1,625 Oe nominal (129.3 kA/m)	1,625 Oe nominal (129.3 kA/m)
Long-length durability	Minimum of 200 full file read-while-write passes	Minimum of 400 full file read-while-write passes
Short-length durability	Minimum of 40,000+ read-forward passes	Minimum of 80,000+ read-forward passes
Estimated archive life	Up to 30 years	Up to 30 years

Physical dimensions

Cartridge size	4.92" L x 4.29" W x .97" D (125 mm L x 109 mm W x 24.5 mm D)
Cartridge weight	8.46 oz./240 grams (H.P. cartridge) 8.80 oz./250 grams (Extended H.P. cartridge)

Safety characteristics

Toxicity Nonhazardous to human health in anticipated use

Flammability Self-extinguishing per UL94

Environmental recommendations

Operating conditions	60-90° F (15-32° C); 20-80% RH; 78° F (26° C) wet bulb max.
Storage conditions ²	40-90° F (4-32° C); 5-80% RH; 80° F (27° C) wet bulb max.
Transportation conditions ³	40-100° F (4-38° C); 5-80% RH; 78° F (26° C) wet bulb max. ⁴
Cartridge disposal	Classified as nonhazardous waste per EPA Regulation 40CFR261 and may be disposed as normal office trash

Part numbers⁵

H. P. Cartridge Tape	05H4434
Extended H. P. Cartridge Tape	05H3188
Cleaning Cartridge	05H4435
Cartridge magazine	39F4762

Warranty

Warranty 10 years⁶

¹ Depending on data content; ² Maximum of four weeks; ³ Maximum of ten days; ⁴ Maximum with no condensation; ⁵ Additional part numbers can be found at www.ibm.com/storage/media; ⁶ Limited to defects in materials and manufacture at the time of purchase. Does not include wear from normal use or product misuse.



Magstar 3590 Tape Subsystem



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