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Imation Black Watch™
Super DLTtape™ I
CARTRIDGE

Compatible with SDLT 220 and SDLT 320 drives

For Critical Data Management

The next generation, high-capacity data storage solution

The new Imation Black Watch Super DLTtape I Cartridge and SDLT drive technology have raised the bar in a new era of capacity and performance.

As capacity requirements continue to skyrocket, your network and data center operations require reliable media with greater capacity and higher transfer rates. Imation Black Watch™ Super DLTtape™ I Cartridges provide the highest capacity of all tape storage solutions currently offered by Imation, offering up to 320GB of compressed capacity with a transfer rate of up to 32MB/second.

Specifically designed for the demands of network and data center operations, the Black Watch Super DLTtape I cartridge provides flexible capacity and is read/write compatible in both SDLT 220 and SDLT 320 drives. Whether you're searching for a reliable media to backup a mid-size departmental server or one that's suitable for more complex enterprise-class Storage Area Networks, the Black Watch Super DLTtape I cartridge delivers a high-capacity and performance solution that protects your current DLT system investment.

The cartridge is fully interchangeable with all Super DLTtape generation 1 drives. And with a planned cartridge/drive migration path that ensures backward compatibility, you can be confident that your investment will be secure for years to come.

- **High Capacity**—220GB* or 320GB* compressed capacity providing you with a lower per GB cost. Up to 22GB* or 32MB*/second transfer rate

- **Compatibility**—Read/write compatible with SDLT 220 and SDLT 320 drives.

- **Accuracy**—Optical servo tracks enable increased storage capacity and accurate data reading/writing

- **Durability**—1,000,000 pass tested

- **Limited Lifetime Warranty**

*assumes 2:1 compression

Super DLTtape Migration Path

	Generation 1 SDLT 220	Generation 1 SDLT 320	Generation 2**	Generation 3**	Generation 4**
Media	Super DLTtape I	Super DLTtape I	Super DLTtape 2	Super DLTtape 3	Super DLTtape 4
Capacity	110GB native (220GB comp.)	160GB native (320GB comp.)	320GB native	640GB native	1.2TB native
Transfer Rate	11MB/s native (22MB/s comp.)	16MB/s native (32MB/s comp.)	32MB/s native	50+MB/s native	100+MB/s native

**Quantum reserves the right to change the information in this migration path without notice.

Imation Storage Professional Services

Imation's Storage Consulting Services are designed to help customers like you more fully understand the role of tape in your storage network environment. Our consulting services can show you how an effective architecture can better and more efficiently utilize both new and existing tape resources. We can provide you with assistance in the following areas—tailoring to your environment and business drivers:

- Backup/Restore Storage Assessment

- Disaster Recovery Assessment

- Data Protection Architecture and Detailed Design

- Proof-of-Concept and Validation Services within the Imation world-class Storage Networking Lab

- Implementation Management

- Training Services

Imation Data Center Professional Services

Put Imation's five decades of experience in technical service and tape storage media design and manufacturing to work for you. Imation offers collaborative, solid solutions to your data center challenges, helping you streamline your operations and improve efficiency. Imation Data Center Professional Services include:

- Data Center Assessment

- Best Practices Evaluation

- Media Migration/Conversion (to new technologies)

- High Capacity Cartridge Care and Handling Seminars

Ordering Information

	Imation Black Watch™ Super DLTtape™ I Cartridge	Imation SDLT Cleaning Cartridge
Standard	51122-16260	51122-16332
Labeled	51122-16398	51122-16397

The world trusts Imation for data storage

In today's information-centric society, data storage can make or break your business. And as the world's information needs continue to intensify, more and more computer users are coming to know and trust the Imation name. At all levels of computing sophistication, millions of IT professionals and computer users look to Imation for the proven quality, reliability and performance they need to manage, store and secure their data.

Backed by 50 years of development and expertise, Imation removable storage products are a key ingredient in much of the world's IT infrastructure—from large corporate data centers, to networks, to small businesses and home users. Imation products are based on its world-renowned tape, optical and diskette technologies, many of which Imation pioneered. Imation's data center products include the industry leading Black Watch™ Half-Inch Tape Cartridges and Imation consulting services to help improve data center efficiency. For network customers, Imation's products include Ultrium™, DLTtape™, Super DLTtape™, Travan™ Data Cartridges and SLR™ Data Cartridges. And for desktop customers, Imation offers a line of removable media including CD-R and CD-RW, DVD, diskettes, and tape cartridges.

Imation also operates the Imation Storage Networking Lab, a world-class facility designed to help companies and equipment manufacturers develop, test and evaluate data storage solutions in an independent environment. The Storage Networking Lab is just one example of how Imation continues its legacy of innovation on its own and through alliances with other industry leaders. To learn more, visit Imation online at www.imation.com.

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imaginative solutions.

Imation Enterprises Corp.
1 Imation Place
Oakdale, MN 55128-3414
651 704.4000
888 466.3456 phone
800 537.4675 fax
www.imation.com
info@imation.com

Imation Canada Inc.
P.O. Box/C.P. 5440
London, Ontario
N6A 5Z6 Canada
888 466.3456 phone *(tél)*
888 864.2260 fax *(télec)*

Order Number: 51122-16332

For optimum performance, use Imation's SDLT Cleaning Cartridge

To avoid permanent data loss, it's important that you make our easy-to-use cleaning cartridges part of your storage system protocol. The process takes just minutes to complete, and it's the only way to eliminate potentially harmful buildup on drive system heads. The SDLT drive will alert users when cleaning is required. The Imation SDLT Cleaning Cartridge is compatible with all SDLT 220 and SDLT 320 drives and provides up to 20 cleanings.

Product Specifications

	Imation Black Watch™ Super DLTtape™ I Cartridge 51122-16260	Imation SDLT Cleaning Cartridge 51122-16332
Physical Characteristics		
Width	4.16 in.	4.16 in.
Length	4.15 in.	4.15 in.
Height	1.0 in.	1.0 in.
Weight	7.85 oz.	7.85 oz.
Color	Green	Gray
Tape Characteristics		
Tape length	1,833.5 ft.	—
Recording length	1,760 ft.	—
Tape type	Metal particle	—
Tape width	0.498 in.	—
Thickness	344.5μ in. (8.75 microns)	—
Capacity (native)	110 or 160 GB*	—
Tape Life		
Archive storage	30+ yrs.	—
Tape durability	1,000,000 passes	—
Operating Environment		
Ambient temperature	10 to 40°C	10 to 40°C
Non-condensing relative humidity	20–80% RH	20–80% RH
Maximum wet bulb temperature	26°C	26°C
Storage Environment (non-archival)		
Temperature	16 to 32°C	16 to 32°C
Non-condensing relative humidity	20–80% RH	20–80% RH
Maximum wet bulb temperature	26°C	26°C
Storage Environment (archival)		
Temperature	18 to 26°C	18 to 26°C
Non-condensing relative humidity	40–60% RH	40–60% RH
Stray magnetic field	<4,000G	<4,000G

(strength impinging on any point on the cartridge)
*Compressed capacity is two times native capacity shown.

For more information about the Imation Black Watch™ Super DLTtape™ I Cartridge or the Imation SDLT Cleaning Cartridge, contact your authorized Imation dealer or your sales representative.

www.imation.com/SDLT