



Imation Black Watch™ Super DLTtape™ I Cartridge



Compatible with SDLT 220 and SDLT 320 drives

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 centre operations require reliable media with greater capacity and higher transfer rates. Imation Black Watch™ Super DLTtape™ I cartridges provide up to 320GB of compressed capacity with a transfer rate of up to 32MB/second.

Specifically designed for the demands of network and data centre 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 I 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 22MB* 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 1	Super DLTtape 1	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.



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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 build-up 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.



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Product Specifications

	Imation Black Watch™ Super DLTtape™ I Cartridge	Imation™ SDLT Cleaning Cartridge
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.
Colour	Black	Grey
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	<4,000 G	<4,000 G

(strength impinging on any point on the cartridge)

*Compressed capacity is two times native capacity shown.



**Imation SDLT
 Cleaning Cartridge**

