

# Imation SLR™ TAPE CARTRIDGES

Scalable Linear Recording solution for high-end workstations  
and small to mid-range servers



PREPARE FOR YOUR FUTURE  
DATA STORAGE NEEDS TODAY



## Imation SLR™ Tape Cartridges – Capacity to provide a complete solution

SLR tape cartridges combine unmatched scalability and reliability with Imation's 50 years of media development and manufacturing expertise.

With ongoing access to data becoming increasingly important to business success, the need for data storage is exploding. The question is, are you ready?

You will be if you make Imation SLR tape cartridges part of your data storage plan. This reliable technology is an excellent solution for high-end workstations and mid-range server networks. The full line of Imation SLR tape cartridges provides up to 140GB in capacity, so you can easily handle your growing capacity requirements.

### More than media, a complete solution

To give you a complete data protection solution, Imation has teamed up with Tandberg Data. Together, our media and their drives give you a data backup, file transfer and archiving solution that features true automation technology to save you time and ensure consistent backups. That includes unattended backup, like the Tandberg Data SLR Autoloader. By accommodating one SLR tape drive and an eight-cartridge magazine, it allows you to back up your system for up to two months without operator intervention.

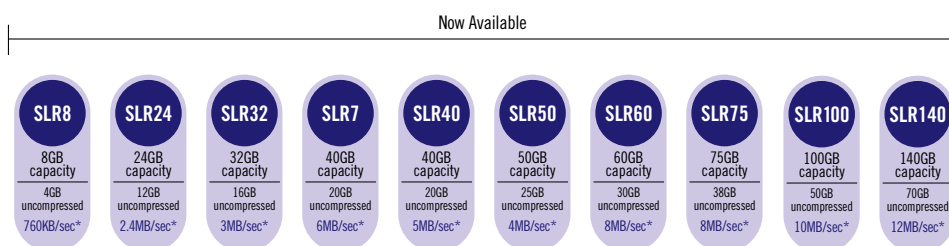
### New Imation SLR75 and SLR140 tape cartridges

As Imation's newest addition to the SLR migration path, the SLR75 cartridge has been designed specifically for entry-level servers. It provides up to 75GB compressed (38GB uncompressed) capacity and a 4MB/second transfer rate. The SLR140 cartridge provides 140GB compressed capacity with 6MB/second transfer rate.

And when backups are performed, they're completed faster than ever. By eliminating the time-consuming verify pass, Imation SLR media's read-while-write capability cuts backup time in half. Together with the SLR drive's built-in data compression capabilities, SLR technology has data transfer rates of up to 12MB/second. That jumps to 40MB/second or more when used with an automated tape library system – saving you resources and time.



## SLR Migration Path



\*Assuming 2:1 data compression

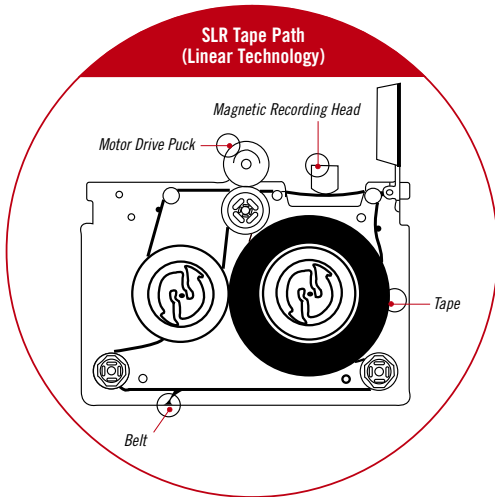
## Scalability to meet any storage need

With storage capacities ranging from 8GB to 140GB, Imation SLR technology easily scales with your growing storage requirements. So as you need more capacity, you won't need to go through the expense and hassle of bringing in new technologies or formats.

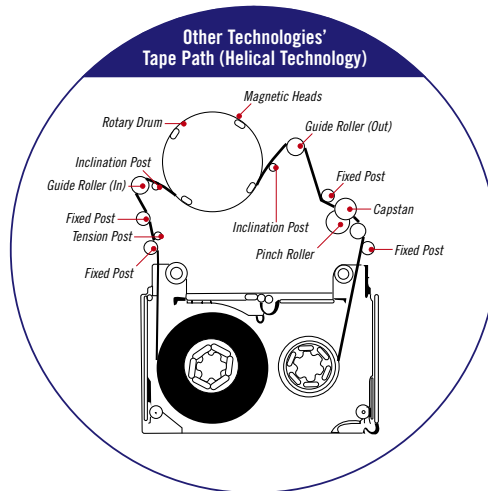
## Steadfast reliability

When you get right down to it, the most important factor in data storage is reliability. All your data needs to be safe, secure and accessible, without question. Imation SLR tape cartridges deliver that level of reliability. Based on linear recording technology, SLR media and drives provide superior performance and dependability through:

- fewer moving parts
- reduced tape stress
- linear tape path contained entirely within the cartridge
- metal base plate delivering dimensional stability



*Linear recording technology represents a more efficient cartridge and drive design that reduces tape stress, ensures data integrity and increases drive and cartridge reliability.*



## Drive and Media Compatibility

Media	Drives									
	SLR140	SLR100	SLR75	SLR60	SLR50	SLR40	SLR7	SLR32	SLR24	SLR8
SLR140	R/W									
SLR100	R/W	R/W								
SLR75	R/W	R/W	R/W	R/W						
SLR60	R/W	R/W	R/W	R/W						
SLR50		R/W	R/W	R/W	R/W					
SLR40		R/W	R/W	R/W	R/W	R/W				
SLR7		R	R	R		R	R/W			
SLR32		R	R	R	R/W	R/W	R	R/W		
SLR24		R	R	R	R/W	R	R	R/W	R/W	
SLR8			R	R	R	R	R	R/W	R	R/W

Note: R = Read, W = Write



## TANDBERG DATA

For a complete description of all SLR tape drives and automation products, visit Imation's drive partner, Tandberg Data, at [www.tandberg.com](http://www.tandberg.com).



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## Product Specifications

Product	SLR8	SLR24	SLR32	SLR7	SLR40	SLR50	SLR60	SLR75	SLR100	SLR140
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### Physical Characteristics

Tape width	6.3mm	6.3mm	6.3mm	8mm	8mm	6.3mm	8mm	8mm	8mm	8mm
Tape length	1,500ft	1,130ft	1,500ft	1,545ft	615ft	1,500ft	915ft	1,150ft	1,500ft	1,660ft
Tape thickness	300µin	410µin	305µin	300µin	305µin	305µin	305µin	305µin	305µin	305µin

### Tape Characteristics

Capacity	8GB*	24GB*	32GB*	40GB*	40GB*	50GB*	60GB*	75GB*	100GB*	140GB*
Transfer rate	380KB/s	1.2MB/s	1.5MB/s	3MB/s	2.5MB/s	2MB/s	4MB/s	4MB/s	5MB/s	6MB/s
Recording density	62kfc	50.8kfc	50.8kfc	154kfc	76.2kfc	50.8kfc	76.2kfc	76.2kfc	76.2kfc	96kfc
Preformatted system	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Tape durability (# of passes)	10,000	15,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

### Operating Environment

Conditions for optimum performance	16 to 24°C (61 to 75°F), 40 to 60% RH
Operating conditions	5 to 45°C (41 to 113°F), 20 to 80% RH
Storage conditions	-5 to 45°C (23 to 113°F), 20 to 80% RH

\* Assumes 2:1 data compression

## Imation SLR Tape Cartridges

Product	Order Number
Imation SLR140	16891
Imation SLR100	41069
Imation SLR75	16838
Imation SLR60	41115
Imation SLR50	12096
Imation SLR40	41112
Imation SLR7	41461
Imation SLR32	11892
Imation SLR24	12725
Imation SLR8	11864

## Imation

Imation provides independent storage services and solutions to meet changing information management needs. With Imation, you benefit from nearly 50 years of leadership in data storage media production and service. We have a global presence—operating in 60 countries—and provide storage solutions for a wide array of businesses and industries. From media services and consulting to enterprise backup and desktop media, we can supplement your internal IT resources with our industry-specific knowledge, experience, and proven problem-solving capabilities. Imaginative storage solutions for today and tomorrow—that's Imation.