

## Disk storage

Storage capacity can be expanded by adding external hard disk towers to your microCT system. Particularly attractive is the addition of disk towers configured with RAID 5 disk arrays, which store your data on multiple disks automatically, helping to protect you from data loss. Hot spare disks can be included for extra peace of mind.

Disk tower	Disk type	Spindle speed RPM	Capacity / RAID 5 volume	Max. total capacity / tower	Max. hot spares
MSA 30	SCSI	15,000	900 GB (4 x 300 GB)	2.7 TB	2
MSA 60	SAS	15,000	900 GB (3 x 450 GB)	3.6 TB	0
MSA 60	SATA	7,200	1 TB* (2 x 1 TB)	6 TB	0
MSA 70	SAS	10,000	900 GB (4 x 300 GB)	5.4 TB	1
MSA 70	SATA	7,200	1 TB (3 x 500 GB)	8 TB	1

\* RAID 1

SCSI and SAS disks are recommended for highest performance. SATA disks offer a cost-effective upgrade path when capacity and cost take priority over absolute performance.

A maximum of two MSA 30 disk towers can be connected to a single RAID card.

For a greater expansion capacity, up to 4 MSA 60 and MSA 70 arrays can be connected in cascade.

HP disk towers carry a three-year guarantee with next working day exchange in the event of disk failure.

RAID Redundant Array of Inexpensive Disks

RAID 1 Mirroring  
Data are stored automatically onto two hard disks. Data are preserved even if one disk fails.

RAID 5 Distributed storage  
Disks are grouped so that data and recovery information are stored on separate disks. In the event of failure of a single disk, no data are lost.

Hot spare Spare disk within RAID array that stands-in automatically when a disk fails. Redundant storage of data is maintained.



MSA 30 disk tower



MSA 60 disk tower



MSA 70 disk tower