

## Quick Installation Guide

### Hitachi Ultrastar 15K600

SAS 6Gb/s & FCAL 4Gb/s

Models:           HUS156060VLS600  
                      HUS156045VLS600  
                      HUS156030VLS600  
                      HUS156060VLS601  
                      HUS156045VLS601  
                      HUS156030VLS601  
                      HUS156060VLF400  
                      HUS156045VLF400  
                      HUS156030VLF400  
                      HUS156060VLF401  
                      HUS156045VLF401  
                      HUS156030VLF401



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## Handling precautions

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- **CAUTION:** This drive can be damaged by ESD (Electric Static Discharge). Any damages incurred to the drive after its removal from the shipping package and the ESD protective bag are the responsibility of the user.
- Do not open the ESD bag containing the drive until you are ready to install the drive.
- Do not apply pressure on the drive during handling and installation.
- To prevent damage from impact or vibration always set the drive down gently.
- Handle the drive carefully by the edges. Do not touch the exposed printed circuit board or any electronic components.
- Do not cover the breather hole! Covering the breather hole may result in loss of data.

- Save the packaging materials including the ESD bag in the event that the hard drive must be returned..

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## Installing the hard drive

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1. Record the serial number and part number of your hard drive for future reference.
2. Turn off the computer and remove the computer system cover.
3. Unplug the computer.
4. Before handling the hard drive, discharge any static electricity from yourself and your clothing. With one hand touch an unpainted metal surface on the computer

chassis, and then touch the ESD bag with the other hand for a minimum of two seconds.

5. Remove the hard drive from the ESD bag.
6. Unplug the computer.

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## Drive Mounting

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The drive will operate in all axes (6 directions). Performance and error rate will stay within specification limits if the drive is operated in the other orientations from which it was formatted.

The recommended mounting screw torque is 0.45 Nm (4.5 Kgf-cm). The recommended mounting screw depth is 2.5 mm maximum for bottom and 3.0 mm maximum for horizontal mounting.

To avoid performance degradation, mount the drive in the system securely enough to prevent excessive motion or vibration of the drive at seek operation or spindle rotation, using appropriate screws or equivalent mounting hardware. Consult with the issuer of this specification for actual application if necessary.

Drive level vibration tests and shock tests are to be conducted with the drive mounted to a table using the bottom four screws.

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## Turn on your computer.

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- If the system boots, be sure the drive is recognized. If it is, turn off the computer and replace the cover. Continue to install your operating system.
- If your system does not boot up, turn off your computer and check all connections and settings. Turn on and boot the system.

- If the system fails to boot, turn off your system. Contact the Hitachi GST Support Center for assistance.

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13 October 2009

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