

# iomega® Drop Guard™ Technology

What are Drop Shock™, Drop Guard™, and Drop Guard™ Xtreme? What do they have in common and how do they differ? Which iomega products include these features?



an EMC company

## What is Drop Shock Technology?

Iomega Drop Shock™ Technology is the engineering mechanism inside all Iomega Portable Hard Drives that helps protect the heads and media in case the drive is accidentally bumped or dropped. The baseline shock tolerance specification for Drop Shock Technology requires that sampled drives subjected to drop testing must be intact and working after a non-operating shock of 900G @ 1ms and an operating shock of 250G @ 2ms – the technical equivalent of a 36 inch drop.



Each line of Iomega Portable Hard Drives must pass repeated drop testing by Iomega and its manufacturers to meet the specification for Drop Shock Technology and Iomega corporate quality standards. Testing is conducted on a sample of drives for each hard drive model. Each drive in the sample is dropped a minimum of six times – once on each face or end – from a height of 36 inches onto industrial carpeting. After being dropped, each drive is inspected for cosmetic and functional damage. If any drive in the sample is damaged or not working after drop testing, the sample is rejected and corrections to the engineering or manufacturing process are implemented until a sample of drives passes the drop test specification.

Drop Shock Technology is the basic drop protection feature included on all Prestige™ Portable Hard Drives and Select Portable Hard Drives and provides toughness and durability under normal use conditions.\*

## What is Drop Guard Technology?

Iomega Drop Guard™ Technology extends the shock tolerance on all Iomega eGo™ Portable Hard Drives beyond that specified for our standard Drop Shock Technology. In addition to the engineering mechanism from Drop Shock Technology, Iomega Drop Guard Technology features special internal cushioning that protects the hard drive inside the case, increasing its shock resistance.

The shock tolerance specification for Drop Guard Technology requires that drive samples for each model of eGo Portable Hard Drives must survive drop testing† at a height of 51 inches onto industrial carpeting. This shock tolerance specification is 40% above the industry average for portable hard drives, so your eGo Portable Hard Drive, and the information you store on it, is that much safer.\*



## What is Drop Guard Xtreme?

Iomega Drop Guard Xtreme combines Drop Guard Technology with the addition of the Iomega Power Grip Band to provide additional ruggedness and protection for the hard drive case. The test specification for Drop Guard Xtreme requires that drive samples must be intact and working after drop testing† at a height of 84 inches (7 feet) onto industrial carpeting. This specification is over twice the industry average and gives eGo Portable Hard Drives with Drop Guard Xtreme extra durability to help withstand the toughest travel and usage environments.\*

The Drop Guard Xtreme durability features are included on all eGo Portable Hard Drives that have the Power Grip band installed, including SuperSpeed USB 3.0 eGo Portable Hard Drives, eGo Encrypt Portable Hard Drives, and eGo Black Belt Portable Hard Drives.



†Drop testing is conducted by Iomega and its manufacturers as described for Drop Shock Technology.



## Summary – Drop Protection Features on Iomega Portable Hard Drives

Drop Protection	Drop Spec	Iomega Products
Drop Shock Technology	36"	Prestige Portable Hard Drives Select Portable Hard Drives
Drop Guard Technology	51"	All eGo™ Portable Hard Drives without the power grip band eGo Skin Drives
Drop Guard Xtreme	84"	eGo SuperSpeed USB 3.0 Portable Hard Drives with Encryption eGo Black Belt Portable Hard Drives eGo Encrypt Portable Hard Drives



\*NOTE: Drop Shock Technology, Drop Guard Technology, and Drop Guard Xtreme offer extra shock protection for Iomega Portable Hard Drives, but survival in falls up to the specification is not guaranteed. Dropping your Iomega drive, or exposing it to incidental or repeated impacts, as well as other factors, can damage the hard drive despite any of the above features. Drop Shock Technology, Drop Guard Technology, and Drop Guard Xtreme will generally provide additional protection to your drive and data as compared to standard hard drives. However, nothing can assure the security of your data as effectively as regular and frequent back-ups (including off-site backups) and the careful handling of your Iomega Portable Hard Drive. Iomega does not offer additional warranty coverage for dropped or impacted drives. Iomega Portable Hard Drives equipped with Drop Shock, Drop Guard, and Drop Guard Xtreme include the same limited warranty available on all Iomega hard drives. As explained in our limited warranty, Iomega is not liable for indirect, incidental, consequential or special damages or losses, including loss of data, use, or profits even, if iomega has been advised of the possibility of such damages. Please take care of your Iomega Portable Hard Drive and do not drop it!



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