CRASH STOP SHOCK RING FOR THE PROTECTION OF DISK DRIVE MOTOR BEARINGS

Abstract

A technique for preventing damage to ball bearings in small form factor device is disclosed where the device has at least one crash stop ring disposed about the shaft and inside the rotor of a device. The ring is dimensioned to permit only a small amount of movement of the rotor relative to the shaft. The permitted movement is less than the minimum movement which would cause damage to the elements of the ball bearing.

(Fig. 7)