

DATA RECOVERY / HARD DISK TECHNICAL NOTES

Title: IBM Travelstar – Motor disassembly

Drive: IC25N020ATCS04-0

Notes: Sample pictures from the disassembly of the spindle motor and fluid bearing from an IBM Travelstar IC25N020ATCS04-0 hard disk.



Above: Bottom view of the spindle rotor on an IC25M020ATCS04-0. On the opposite side is the screw that locks the platter



Above: Side view of the rotor, showing the (fluid) bearing surface.



Above: The starter bearing, the lightened central surface mating with the dark cylinder of the above. The engraved slot in the middle contains the fluid, top ring with arcs dynamically prevent fluid escape. This small cylinder is fixed into the disk chassis.

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Research: DataClinic (UK) and DataClinic (Italy)