



**APPLICATION OVERVIEW:**  
iglide® L280 plastic bushings and igubal® pillow block bearings in home theater, gaming and movie theater seats.

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# CASE STUDY

## PLASTIC BEARINGS FOR GAMING & MOVIE SEATS



D-BOX Technologies, a designer and manufacturer of sophisticated motion systems for the entertainment industry, uses iglide® plastic bushings and igubal® pillow block bearings in its home theater, gaming and movie theater seats. The company replaced expensive PTFE-lined bearings, which had a short lifespan and produced excessive noise during operation.

### Pitch, roll and heave

The seats use three types of intelligent movement – subtle pitch, roll and heave – to move the occupant gently forwards and backwards, from side to side, and up and down.

That, combined with encoded vibrations, means the bushings have to be robust and able to withstand heavy loads. The latter is particularly important, as the seat carries people of all ages and sizes.

iglide® L280 plastic bushings are used in the seats' actuator because they are easy to install, have a long service life and can be purchased directly from stock.



igubal® pillow block bearings enable the seats to pivot and compensate for misalignment. Both types of bearings are maintenance free, vibration dampening and wear resistant.

These features have created a number of production benefits for D-BOX and its customers, including shorter manufacturing processes, enhanced performance and reduced maintenance requirement

### **More information**

[iglide® plastic bushings](#)

[igubal® pillow block bearings](#)