

# Abu Dhabi Financial Centre building (UAE)



## Description of the project

This impressive building at the Abu Dhabi International Financial Centre (DIFC), developed by Daman Real Estate Capital Partners Ltd, has two intersecting towers. The first is a 20-storey structure housing office space and hotel amenities. The second tower, partially overlapping the first, is a 60-storey structure composed of two parts connected by bridging elements at various levels. This tower primarily contains apartments and an 18-storey hotel.

The two buildings stand over a nine-level podium area with car parks, retail space, swimming pools, cafes and green areas.

## mageba scope

mageba supplied RESTON®SPHERICAL bearings to support the bridging elements that connect the two parts of the 60-storey tower at various levels. The bearings are designed to resist vertical loads of up to 10,000 kN. Some are of the fixed type (type KF), resisting forces and movements in all directions, while others are of the guided sliding type (type KE), allowing 100 mm sliding movements in one direction only.

The bearings feature ROBO®SLIDE high-grade sliding material instead of standard PTFE, ensuring far better durability and enabling the size of the bearings to be minimised.

## Highlights & facts

### mageba products:

Type:	RESTON®SPHERICAL bearings
Features:	ROBO®SLIDE high-grade sliding material
Installation:	2009–2010

### Structure:

City:	Abu Dhabi
Country:	UAE
Completed:	2013
Type:	Office/hotel building
Developer:	Daman Real Estate Capital Partners Ltd

The building is located in the Abu Dhabi International Financial Centre (DIFC), Abu Dhabi, UAE



Exploded view of a RESTON®SPHERICAL bearing – guided sliding type, for uniaxial movements



Application of silicone grease to ROBO®SLIDE disc of a RESTON®SPHERICAL bearing

