

## Roof Structure over Bullring in León

The dome-shaped roof was built over an already existing bullring.

The single-layer fixed roof is a Schwelder-type dome composed of IPC commercial steel profiles (parallels, meridians and diagonals) with a 1/8 rise-span ratio. It is supported on steel pillars at its perimeter.

The moveable roof-section consists of two semi-spheroidal segments, which rest upon three beam rails, located on the fixed roof, and which roll along the aforementioned, therefore allowing the opening of the roof.

The open-close system of the roof is fulfilled via a cable-winch system which transfers the necessary pull required for the timed movement of the moveable segments.



### Spain /2002 Project data

Structural type:  
Single-layer Dome 75.0m in span,  
with a moveable central  
section 30.0m in diameter  
Location:  
León  
Opening date:  
June 2002  
Proprietor:  
Asuntos Taurinos  
Contractor:  
Steel structure: FAMECA.  
Mechanical equipment: IESS  
Scope of Works:  
Construction Project and  
Technical Assistance