

Teleférico de Mérida (Venezuela)



Project description

The Teleférico de Mérida (Mérida Cable Car) is located in Venezuela, and connects the city of Mérida (at an altitude of 1,640 metres) to Espejo Peak in the adjacent mountains (at an altitude of 4,765 metres). Climbing over three kilometres along its route of 12.5 km, it is one of the longest and highest cable car systems in the world. It was opened in 1960, and closed in 2008, having reached the end of its service life.

The construction of a new cable car system to replace the old one is currently underway, with completion expected in 2016.

mageba scope

Two RESTON®SA shock absorbers were supplied, complete with connection brackets. They were designed for a maximum load of 480 kN and maximum stroke of +/- 50 mm. One shock absorber was subjected to a low velocity test, a constitutive law test and a damping efficiency test, while each unit was subjected to pressure and stroke verification tests.

A TENSA®COMPRESS expansion joint, accommodating movements of up to 45 mm, was also required for the associated station infrastructure.

Highlights & facts

mageba products:

Type: RESTON®SA shock absorbers, TENSA®COMPRESS expansion joint
 Installation: 2015

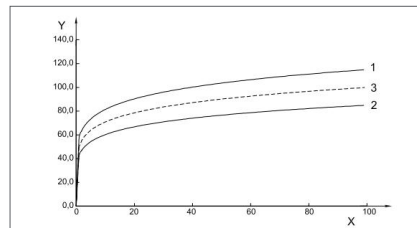
Structure:

City: Mérida
 Country: Venezuela
 Type: Cable car system
 Built: 1960
 Renovated: 2016
 Length: 12.5 km
 Climb: 3,125 m
 Builder: Garaventa

The city of Mérida is located in the Andes mountains of northwestern Venezuela



Typical Force (y-axis) versus Velocity (X-axis) diagram of a RESTON®SA shock absorber



Two RESTON®SA shock absorbers, packed in a crate for transport to site

