



TWO HINGED PARABOLIC ARCH

RS 044

Description:

Arched bridge is a kind of bridge with abutments at each end shaped as a curved arch. Arch bridges work by transferring the weight of the bridge and other loads on it into a horizontal thrust restrained by the abutments at either side. Mostly, there are no vertical loads, bending moments and shear forces on arched bridges. With considering the principles of the strength of materials, the radius of the arch and the dimension of the bridges are selected in a way that the vertical loads convert to compression load along the arch. Therefore, in areas with good-quality soil, large openings (up to 500 meter) can be bridged by the arched bridges.

Specifications:

- Roller bearings
- Fixed supports
- Dial Gauge
- movable support with support plate
- shackle
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Analyzing the deformation of an arched bridge under loads
2. Calculating the reactions in the supports
3. The effect of the distribution of loads on the behavior of an arched bridge
4. Analyzing and comparing the bridge in given and ungiven static states

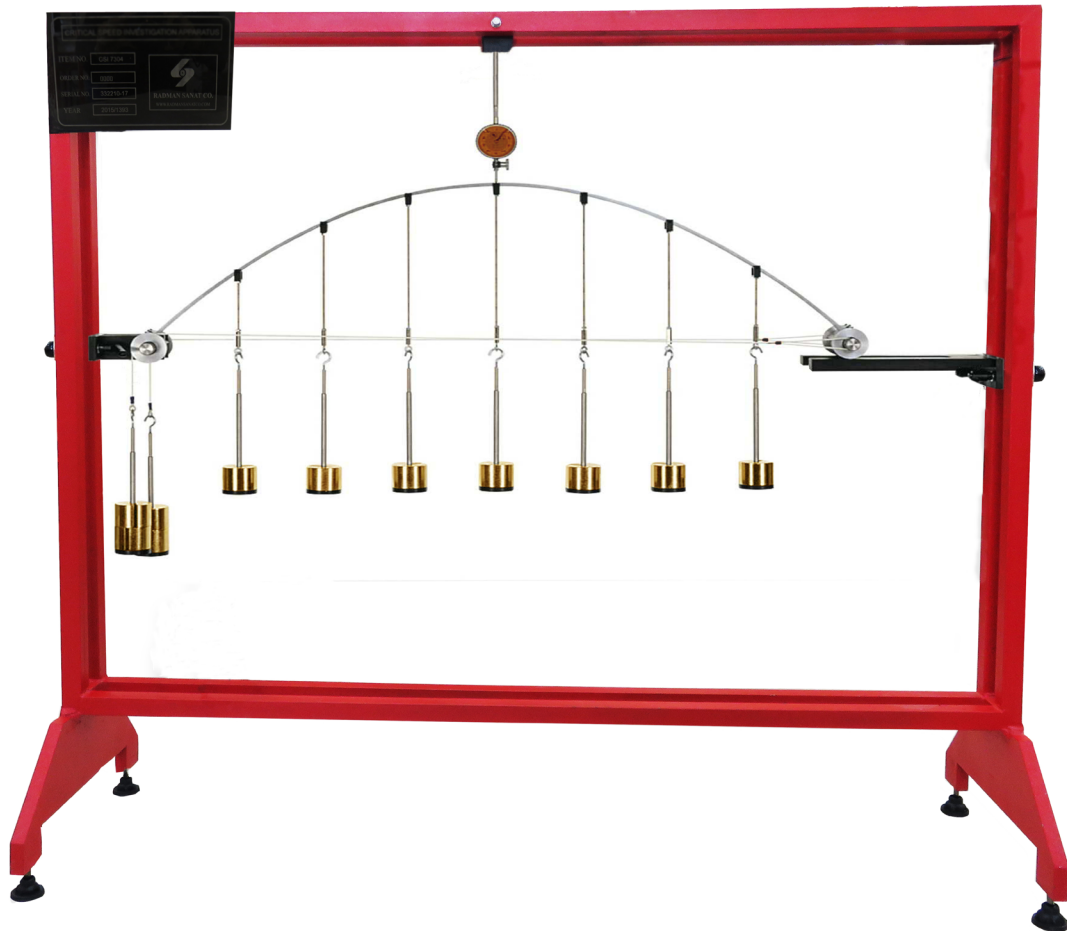
Required For Operation:

- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



TWO HINGED PARABOLIC ARCH

RS 044



Dimensions (L*W*H) mm: 1200 x 500 x 800

www.radmansanatco.com