

Metrology

Bridging the Continents...



THE BOSPHORUS BRIDGE – A Gravity Anchored Suspension Bridge with Steel Pylons - (ISTANBUL 1973)

Material	Steel	Vehicle Carrying Capacity	180 tons + 10%
Towers	2	Max. Wind Velocity	45 m/s
Total Length	1,560 m	Diameter of Head Line	58 cm 19 twist
Main Span	1,074 m	Tension Strength of Head Line	(1,570 ± 200) N/mm ²
Deck Width	33.4 m (3+3 lanes)	Break Strength of Steel Pylons	300 tons
Tower Height	165 m	Tower Base Dimensions	7 m x 5.2 m
Clearance from Sea Level	64 m	Tower Top Dimensions	7 m x 3 m
Steel Weight	26,900 tons	Horizontal Ground Acceleration	0.1 g