



KEY FACTS

HPTG 130000I GUY LINE

- 130,000 lb Rated Break Strength
- Resistant to salty sea winds
- Vibration dampeners and steel pigtails terminate and tension the lines.

Sutro Tower, San Francisco

USA

Dominating the San Francisco skyline, the “Bay Area’s Essential Connection”, the Sutro Tower relies on Phillystran HPTG-I tower guys to support the three stacks atop the tower with the many TV and radio antennas. The Sutro Tower is a 977 ft three-legged tower located 834 ft above sea level.

The Sutro tower’s three stacks were initially guyed with fiberglass rods. However, the rods had a limited life expectancy as well as diameter/size restrictions. In 1990, they were replaced with Phillystran HPTG 27000I Tower Guys. HPTG-I aramid fiber guy lines are approx. one fifth the weight of comparable steel wire ropes with the same strength helping Sutro Tower Inc meet weight reduction/wind load goals.

In 2009, all three Sutro Tower stacks were re-guyed with a combination of Phillystran HPTG 85000I and HPTG 130000I guys following a structural analysis of the Tower, resulting in an increase in stack guy size. Again in 2019, the south stack guys were all replaced with HPTG 130000I because of new FCC bandwidth re-bundle requirements.



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