

# The Anvil Experience

## Anvil Quality Provides Trust in World's Tallest Building

For the 160-story Burj Khalifa, the highest quality components were an absolute necessity.

### Project Overview

Rising more than 2,700 feet (828 meters) above Dubai's desert, the Burj Khalifa is a wonder of modern architecture and engineering. Its soaring tower houses more than 1,000 residences, hundreds of hotel rooms, dozens of offices and countless luxury amenities in a superstructure uniquely designed to be both efficient and robust. The tower features a spiraling "Y" design that helps reduce wind forces, while a buttressed core provides torsional resistance. The result is a tower that is extremely stiff laterally and torsionally, with an efficient gravity load resisting system. Every detail, every product utilized by ETA / Voltas / Hitachi (the mechanical contractor joint venture for the project) had to meet rigid international standards of quality, especially the fire protection system, to bring a such a complex structure to life.

### The Anvil Solution

Anvil International distributor Araj Trading is a long-time supplier to ETA and Voltas, both highly regarded mechanical contractors in Europe and the Middle East. So when discussions turned to the construction of the Burj Khalifa, the Sharjah, UAE, agent knew it could meet the project's needs with Anvil products. For starters, Anvil products are 100% American-made, a requirement for the tower's builders. And Araj knew that Anvil's complete line of Gruvlok® grooved fittings, pipe hangers and fittings, struts and valves offered the latest technology and most current fire protection ratings available. Anvil's performance and manufacturing experience would easily meet the high quality standards established for super-tall skyscrapers like the Burj Khalifa.

### Reaching New Heights

More than just the world's tallest building — it's more than 900 feet (274 meters) taller than the next tallest building — Burj Khalifa is an unprecedented example of international cooperation and a symbolic beacon of progress. Anvil International is proud to have helped ETA / Voltas / Hitachi reach new engineering heights.



A bird's-eye view of the tower construction on the Burj Khalifa, the tallest building in the world.



Anvil products helped to create the 2,700-foot-tall building that houses a luxury hotel, residences and offices.



Located in the heart of Dubai, the Burj Khalifa stands as another example of architectural and engineering excellence.



For more information, go to [www.anvilintl.com](http://www.anvilintl.com)

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