



Scale and Speed Without Sacrifice

Jumbo HSS and Shuriken™ Help Engineers
and Architects Achieve Their Vision



Today's construction and development industry is one that saddles a building's designers and fabricators with a barrage of challenges that threaten to compromise their vision. A volatile economic climate, unpredictable supply chain issues and rising material costs have a chokehold on budgets and resources. The wave of retirees coupled with a shortage of incoming skilled tradespeople frequently leads to understaffed job sites and scheduling delays. Increasingly stringent environmental building and manufacturing regulations can drive up already strained budgets. In the face of these challenges, architects, engineers, contractors and fabricators are thinking creatively and looking for out-of-the-box solutions to deliver on the project's vision.

Supporting the design possibilities.

Atlas Tube is a domestic manufacturer helping builders meet the challenges of today by innovating

new solutions, expanding existing product offerings and delivering on-time for the most demanding project schedules and budgets.

Nothing exemplifies this more than two Atlas Tube products, Jumbo HSS and Shuriken. Each of these products was specifically designed to help engineers, builders and fabricators overcome the challenges they face without having to make sacrifices in their designs. North America's largest HSS and Shuriken Better Bolted Connections allow builders to design on a larger scale while at the same time addressing labor and material cost challenges.

Build bigger, wider, taller.

As the largest domestically manufactured HSS in North America, Jumbo HSS offer up the highest strength-to-weight ratio of any structural steel available. That means wider spans with less steel for today's largest applications, like factories, warehouses, airport hangars, data centers,

bridges, skyscrapers and more. Their smaller, stronger footprint and aesthetically appealing design compared to wide-flange sections allow engineers to support the demand for more open, better-utilized spaces.

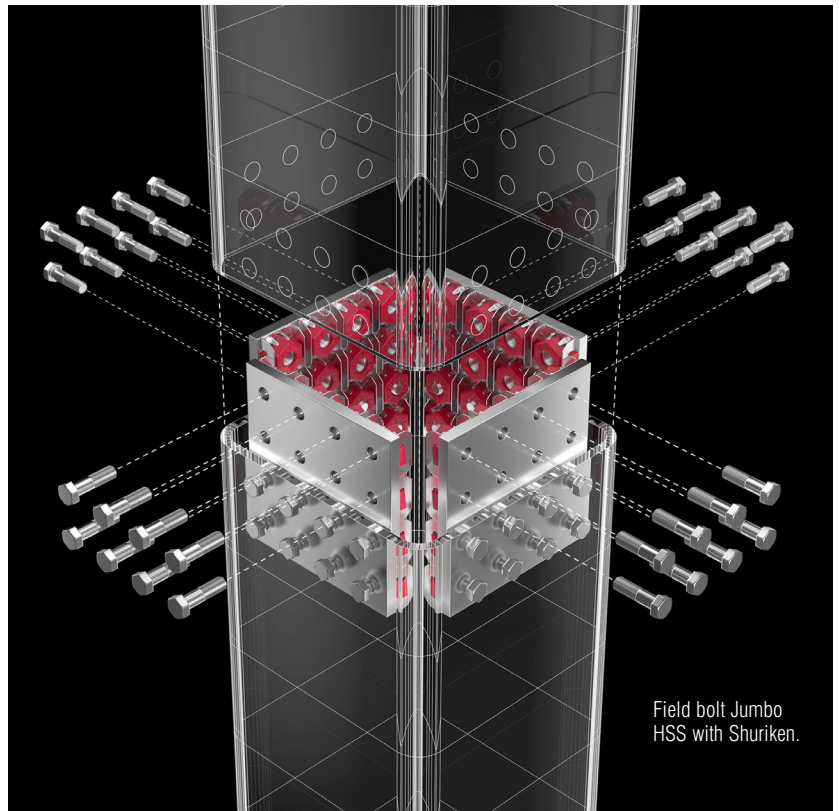
Efficiency is key.

The high strength-to-weight ratio and size of Jumbo HSS (up to 28" square with 1" wall thickness) creates the potential to use less steel in a project, resulting in time, labor and cost efficiency gains—critically important given the labor shortage and fluctuating material costs. And for fabricators, the opportunity to use Jumbo HSS instead of built-up boxes can save valuable shop hours when labor is tight. Jumbo HSS also have 50% less surface area than wide-flange sections, further reducing prep and finishing time and costs.

Big in size. Small on environmental impact.

In addition to their unique size and strength, one of the biggest appeals of Jumbo HSS is their low environmental footprint. Steel is an endlessly recyclable material, which, when combined with the low-profile design of HSS and Atlas Tube's sustainable manufacturing practices, can help lower a project's embodied carbon.

Roughly 70% of HSS in North America are produced using electric arc furnace (EAF) steel coils, and Atlas Tube exclusively purchases steel from North America, which has among the lowest carbon emissions of the leading steel manufacturing regions. In fact, steel production in the United States produces 60% fewer greenhouse gas emissions than in China, a top steel exporter to the United States. Atlas Tube's manufacturing facilities are also continually optimizing energy usage and minimizing wastewater, while ensuring that all steel scrap is recycled.



Field bolt Jumbo HSS with Shuriken.

Connections made easy.

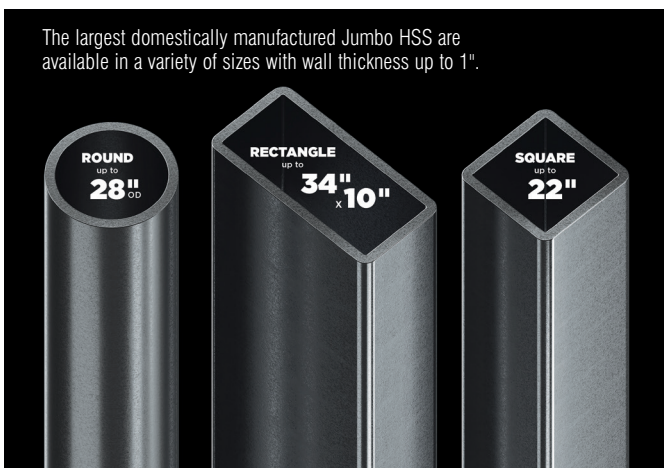
Now the onsite fabrication of HSS can be more streamlined thanks to Shuriken, the Better Bolted Connection—an innovative connection solution for situations where field welding is not possible. Shuriken has a built-in wrench that allows steel fabricators and erectors to quickly and easily field bolt HSS columns, beams and trusses; wide-flange sections; SpeedCore; connections in tight spaces; pedestrian bridges; and retrofits. Fewer field welds, easier installation, faster visual inspections and lower costs help make HSS a more cost-effective and efficient option than ever before.

Dream big, design big with Jumbo HSS and Shuriken.

Stronger, more innovative, more sustainable building materials like Jumbo HSS and Shuriken make it possible to continue designing and building for the future while facing the challenges of today. To learn more about either product, including Shuriken's new 1" size, visit atlastube.com.

A shared vision.

Atlas Tube is part of Zekelman Industries—a family of domestic manufacturers striving to help builders meet the challenges of today by delivering new, better ways to build. Their shared vision of operational excellence and best-in-class customer service make them the partners of choice for those with big aspirations. To learn more about Zekelman Industries, visit zekelman.com.



The largest domestically manufactured Jumbo HSS are available in a variety of sizes with wall thickness up to 1".