

SPS TITAN™ Titanium Fasteners: Stronger

SPS Technologies, Inc., a long-time, well-respected manufacturer of aerospace fasteners, is also a recognized supplier of fastener products for motorsports around the world, including connecting rod bolts and engine, transmission and chassis fasteners for Formula One, NASCAR Winston Cup, IndyCar, Cart, NHRA, Busch Grand National Series, Craftsman Truck Series and ASA.

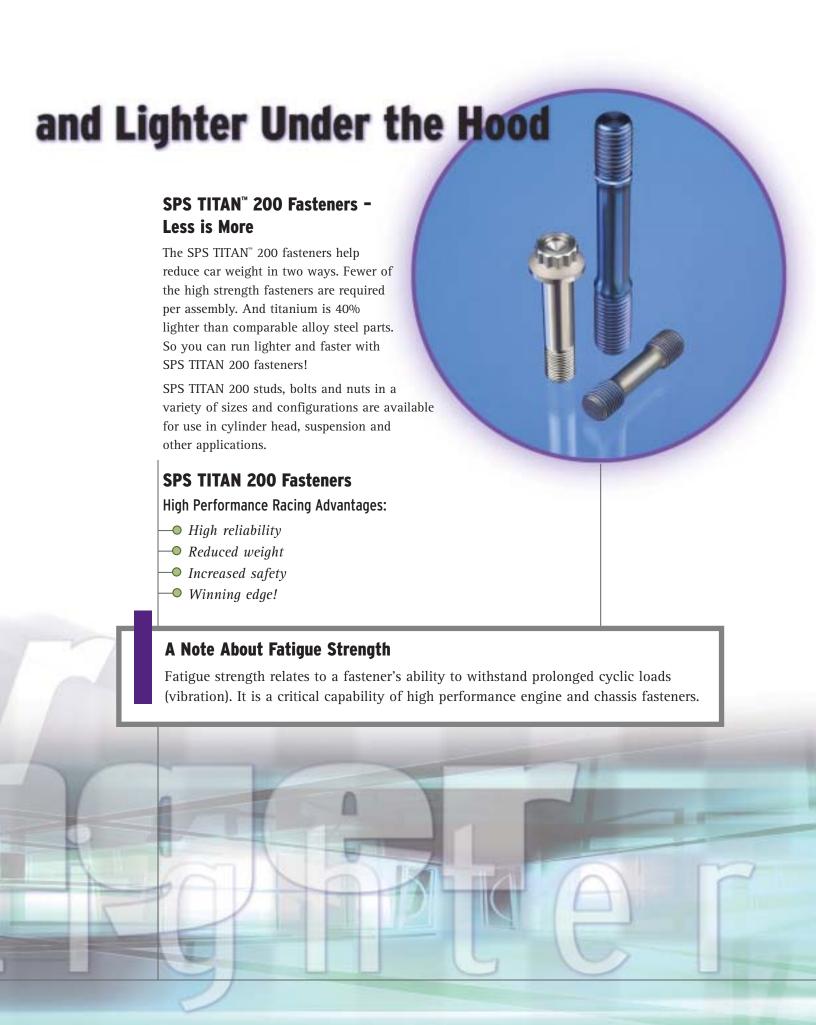
SPS now offers a line of fasteners manufactured from the new SPS TITAN™ 761 titanium alloy. This new alloy overcomes the strength limitations associated with other titanium alloys, allowing drivers to capitalize on the weight

advantages of titanium where they never could before.

Optimized Beta-Titanium Alloy

SPS TITAN 761 titanium alloy is an optimized betatitanium alloy. Following an exhaustive study of candidate materials, SPS chose this alloy and prescribed special processing requirements for the raw material so that it meets target strength levels.

Most other titanium fastener alloys exhibit minimum tensile strengths of only 160,000 ksi. Also, many manufacturers offer alloy steel parts at 180,000 ksi. The SPS TITAN 761 alloy gives SPS the capability to produce titanium fasteners featuring a 200,000 ksi (1400MPA) minimum tensile strength and excellent fatigue resistance. These fasteners are designated SPS TITAN 200.





Minimum Properties

Tensile Strength

Shear Strength

Fatigue Strength:

SPS TITAN™ 200

200 ksi (1400 MPa)

108 ksi (745 MPa)

Much better than other types of titanium and

comparable to steel

SPS High Performance Racing Product Family

SPS Technologies also manufactures fastener products for use in high performance racing from these other materials and SPS-developed superalloys:

- → MULTIPHASE® MP35N® Superalloy
- *─ MULTIPHASE* MP159 Superalloy
- → Alloy Steel
- → INCONEL® Alloys



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