

Ruggedized ST[®] Fiber Optic Connector and Adapter



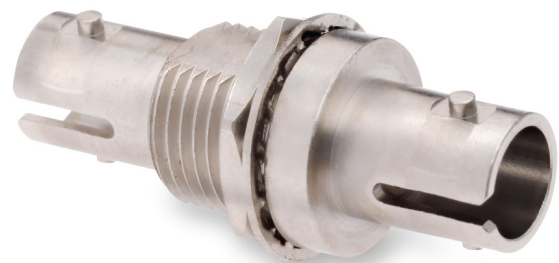
Ruggedized ST
Multimode

STRAN Technologies' Ruggedized ST connector has been designed for applications where conditions are severe and reliability is critical but full compliance to MIL-PRF-83522 is not required. All connector body parts are precision machined nickel plated brass. The best choice for high reliability applications. Some of the applications supported by STRAN's Ruggedized ST's and Adapter include:

- Navy Shipboard applications
- Deployable military tactical networks
- Oil and Gas surface applications
- Homeland security and surveillance
- Harsh industrial installations
- Emergency restoration systems
- Cabinet mounted communication systems

Some of the key features of this connector and adapter include:

- TIA/EIA 604 compliant
- Compatible with ST style adapters
- Adapter compatible with ST style connectors
- Pre-radiused zirconia ferrule to minimize field polishing
- Nickel plated brass components and stainless steel spring
- Field installable and maintainable
- Split zirconia sleeve for improved insertion loss
- Components are DFAR compliant, machined, finished and assembled in the USA
- Compatible with standard hand and machine polishing equipment



ST-ST Adapter

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MILITARY TACTICAL

MILITARY SHIPBOARD

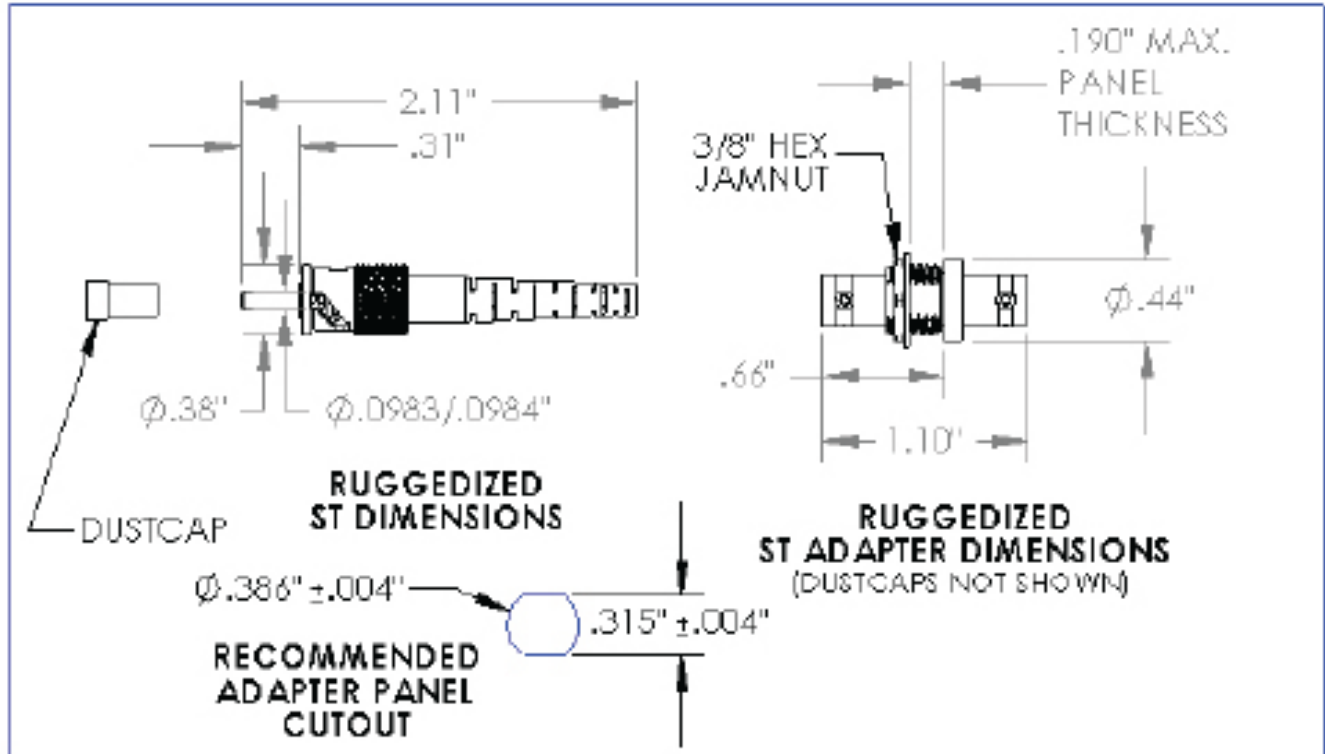
ENERGY

MINING

AEROSPACE

COMMERCIAL

Ruggedized ST® Fiber Optic Connector and Adapter



Connector and Adapter Performance Criteria:

Optical Insertion Loss	9/125 μm : 0.50 dB _{max} , 0.35 dB _{typ} 62.5/125 μm : 0.50 dB _{max} , 0.14 dB _{typ}
Return Loss	>30 dB MMF, >45 dB SMF with PC polish
Mating Durability	500 cycles per EIA-455-21
Salt Spray	5% salt solution / 96 hr
Temperature/Humidity	-10° C to +65° C, 10 cycles
Withdrawal Force	200-600 grams
Temperature Cycle	-46°C to +85°C, 5 cycles
Temperature Life	100° C for 240 hours
Tensile Loading	20lb for 1 minute
Operating Temperature	-46°C to +85°C
Cable Retention	> 22 Lbs