

Specification Sheet

Part Number: 157-00421



HIRHSUV solar fasteners provide excellent resistance to UV, chemical and moisture sensitive environments  
Can be pre-installed while modules are still on the pallet  
Barrel and offset head design reduces potential for abrasion and wear  
First Solar vetted design

Series 6 Solar Fir Tree Fastener, 50lb Tensile Strength, PA66HIRHSUV, Black, 1000/bg

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Number      | 157-00421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type                | T50ROSFT5.6SO25R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Color               | Black (BK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Quantity Per        | bag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Description | The Series 6 Solar Fir Tree Fastener is the easiest and fastest wire management solution on the market. It features a head design specifically tailored for First Solar Series 6 Modules. Entire fir tree passes through wire management hole to prevent unintended disengagement. Unique barrel head rests on module lip to relieve fir tree of downward forces. Offset keeps bundles the perfect distance from mounting hole, allowing nondestructive movement due to wind or tracker motion. The bent tail design allows quick and simple installations by hand. |

|                                     |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Short Description                   | Series 6 Solar Fir Tree Fastener, 50lb Tensile Strength, PA66HIRHSUV, Black, 1000/bg |
| Global Part Name                    | T50ROSFT5.6SO25R-PA66HIRHSUV-BK                                                      |
| Minimum Tensile Strength (Imperial) | 50.0                                                                                 |
| Minimum Tensile Strength (Metric)   | 225.0                                                                                |
| Length L (Imperial)                 | 9.4                                                                                  |
| Length L (Metric)                   | 239.0                                                                                |
| Offset Length (Imperial)            | 0.98                                                                                 |
| Offset Length (Metric)              | 25.0                                                                                 |
| Fixation Method                     | Fir Tree                                                                             |
| Identification Plate Position       | none                                                                                 |
| Releasable Closure                  | No                                                                                   |
| Variant                             | Outside Serrated                                                                     |
| Width W (Imperial)                  | 0.2                                                                                  |
| Width W (Metric)                    | 5.08                                                                                 |
| Bundle Diameter Min (Imperial)      | 0.08                                                                                 |
| Bundle Diameter Min (Metric)        | 2.0                                                                                  |

|                                     |        |
|-------------------------------------|--------|
| Bundle Diameter Max (Imperial)      | 1.97   |
| Bundle Diameter Max (Metric)        | 50.0   |
| Height H (Imperial)                 | 0.76   |
| Height H (Metric)                   | 19.25  |
| Diameter D (Imperial)               | 0.36   |
| Diameter D (Metric)                 | 9.04   |
| Panel Thickness Min (Imperial)      | 0.12   |
| Panel Thickness Max (Imperial)      | 0.17   |
| Panel Thickness Min (Metric)        | 3.0    |
| Panel Thickness Max (Metric)        | 4.25   |
| Mounting Hole Diameter D (Imperial) | 0.22   |
| Mounting Hole Diameter D (Metric)   | 5.6 mm |

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Material          | Polyamide 6.6 high impact modified, heat and UV stabilized (PA66HIRHSUV) |
| Material Shortcut | PA66HIRHSUV                                                              |
| Flammability      | UL 94 HB                                                                 |

|                              |                                   |
|------------------------------|-----------------------------------|
| Halogen Free                 | Yes                               |
| UV Resistant (Yes/No)        | Yes                               |
| Operating Temperature        | -40°F to +221°F (-40°C to +105°C) |
| Reach Compliant (Article 33) | Yes                               |
| ROHS Compliant               | Yes                               |
| UL Listed (US and Canada)    | Yes                               |
| UL Listed (US)               | Yes                               |
| Package Quantity (Imperial)  | 1000                              |
| Package Quantity (Metric)    | 1000                              |
| Customs Number               | 3926909988                        |

## About HellermannTyton

HellermannTyton is a global manufacturer of cable management and identification solutions for automotive, solar, electrical, construction, industrial automation, broadband and other OEM markets. The company's integrated approach to product design, sustainability, production, quality assurance and delivery is optimized to benefit local and global customers. HellermannTyton operates in 39 countries, with North American headquarters in Milwaukee, Wisconsin. ([www.hellermann.tyton.com](http://www.hellermann.tyton.com)).