PitotShield V2™ Spec Sheet

Body   77TBU, 77TBL   77TBS

- Length...   5.2 in (13.2 cm)   4.23 in (10.7 cm)
- Diameter. 2.25 in (5.7 cm)   2.25 in (5.7 cm
- Weight.... 4.25 oz (120 g)   3.5 oz (99 g)

DAT p/n 77TB*4701 **(ORANGE RBF)**
DAT p/n 77TB*64   **(NAS RED RBF)**

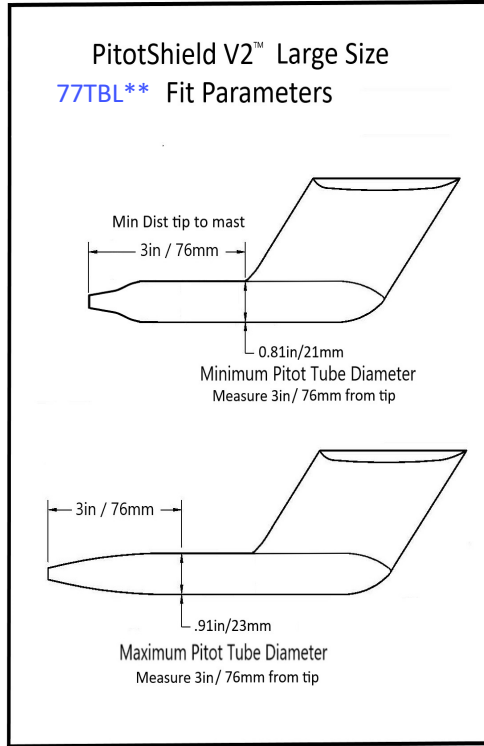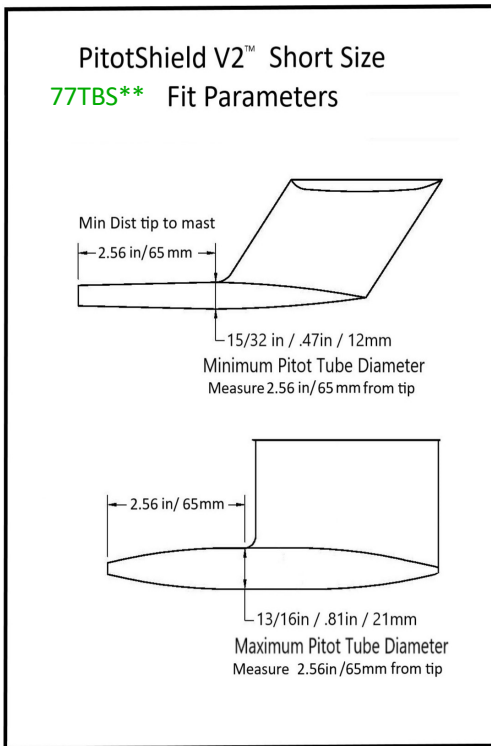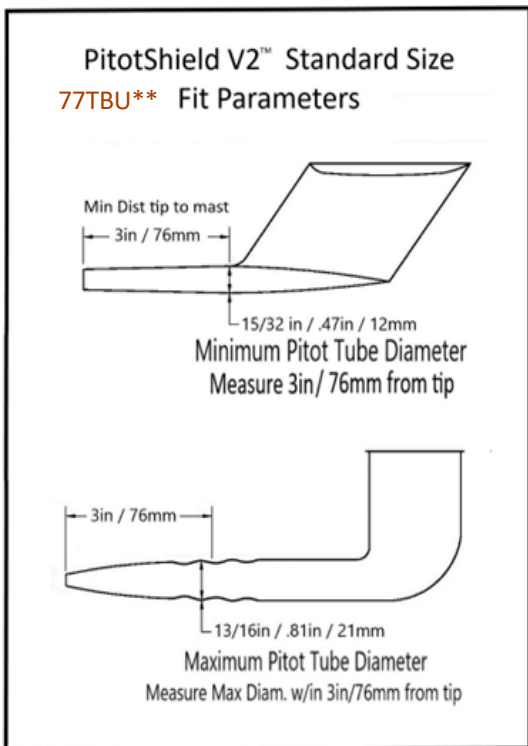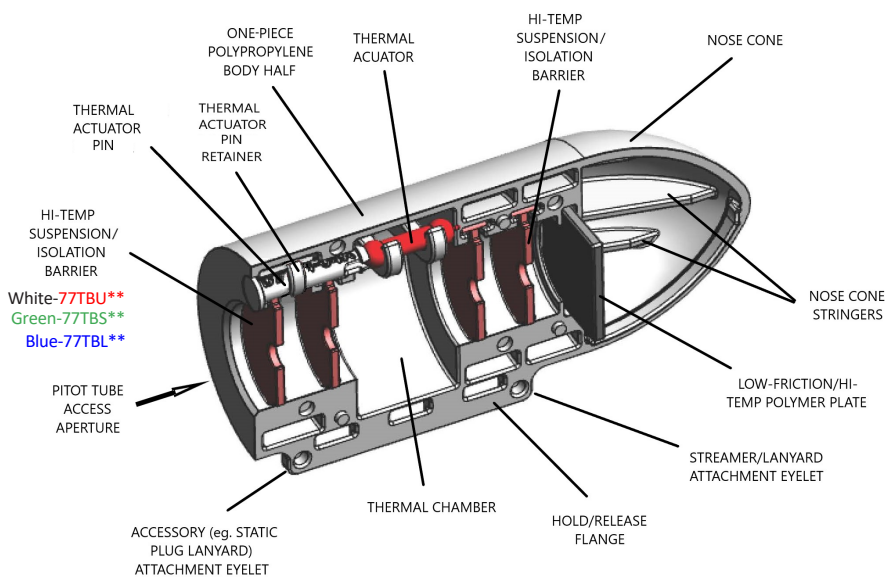**Body Materials - Body Contains NO METAL**

- Polypropylene (BASF PP1200) Laser Sintered
- Only Hi-Temp Silicone Contacts Pitot Tube Surface
- PTFE Polymer Protects Tip of Pitot Tube
- Thermal Actuator: Silica, Water-soluble hydrocarbon, Reactive Temp: 135˚F/57˚C
- Operational Temp -40˚ F/-40˚C to 130˚ F/54˚ C
- Activation Temp Tested -4˚F/-20˚C to 130˚F/54˚C

RBF Streamer Options

- **Red SAE/NAS-DAT P/N 461756-24**
  - 24 in (70 cm) x 3 in (7.6 cm)
  - Brass Grommet/Nylon cord/Al crimp
- **Proprietary Hi-Visibility DAT P/N 4701HVS**
  - International Orange
  - Reflective Accent for Night Visibility
  - 18.5 in (47cm) x 2.25 in (5.7cm)
  - Brass Grommet/Nylon cord/Al crimp
- **Custom Streamers Available**

Total Assembled Weight w/Streamer:

STD & **Large**: 4.75oz (135g); **Short**: 4.0oz (113g)

Labels: ONE-PIECE POLYPROPYLENE BODY HALF; THERMAL ACUATOR; HI-TEMP SUSPENSION/ISOLATION BARRIER; NOSE CONE; THERMAL ACTUATOR PIN; THERMAL ACTUATOR PIN RETAINER; HI-TEMP SUSPENSION/ISOLATION BARRIER; White-77TBU**; Green-77TBS**; Blue-77TBL**; NOSE CONE STRINGERS; PITOT TUBE ACCESS APERTURE; LOW-FRICTION/HI-TEMP POLYMER PLATE; STREAMER/LANYARD ATTACHMENT EYELET; ACCESSORY (eg. STATIC PLUG LANYARD) ATTACHMENT EYELET; THERMAL CHAMBER; HOLD/RELEASE FLANGE

PitotShield V2™ Standard Size
77TBU** Fit Parameters**

Min Dist tip to mast
3in / 76mm
15/32 in / .47in / 12mm
Minimum Pitot Tube Diameter
Measure 3in/ 76mm from tip

3in / 76mm
13/16in / .81in / 21mm
Maximum Pitot Tube Diameter
Measure Max Diam. w/in 3in/76mm from tip

PitotShield V2™ Short Size
77TBS** Fit Parameters**

Min Dist tip to mast
2.56 in/65 mm
15/32 in / .47in / 12mm
Minimum Pitot Tube Diameter
Measure 2.56 in/ 65 mm from tip

2.56 in/ 65mm
13/16in / .81in / 21mm
Maximum Pitot Tube Diameter
Measure 2.56in /65mm from tip

PitotShield V2™ Large Size
77TBL** Fit Parameters**

Min Dist tip to mast
3in / 76mm
0.81in/21mm
Minimum Pitot Tube Diameter
Measure 3in/ 76mm from tip

3in / 76mm
.91in/23mm
Maximum Pitot Tube Diameter
Measure 3in/ 76mm from tip

APPLICATION/FITTING DETAILS

This **Standard-Size PitotShield V2™ Smartcover™** fits nearly all turbine aircraft round pitot tubes. If the tip of the pitot tube is less than 3in/76mm from the mast or the diameter at 3in/76mm from the tip is less than 0.47in/12mm, or the pitot tube diameter within three inches from the tip is greater than 13/16in (21mm), the **Standard PitotShield V2™ Smartcover™** will not fit.

APPLICATION/FITTING DETAILS

This **PitotShield V2™-S (Short) SMARTCOVER™** fits round pitot tubes having a minimum length from the mast of 2.56in/ 65mm and a maximum diameter of 0.81in/21mm.

APPLICATION/FITTING DETAILS

This **PitotShield V2™-L (Large) Smartcover™** fits pitot tubes with a minimum length from tip to mast of 3in/76mm and a maximum diameter from .81"/21mm to .91" within 3in (76mm) of the tip.