BRUCE'S CUSTOM COVERS
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*manufacturer of the finest custom-made aircraft covers*

# Tech Sheet: Velocity All Models: Standard, 173, XL & V-Twin

(velocity-VEL.pdf)




Twin Velocity Canopy/Nose Cover

## Section 1: Canopy/Cockpit/Fuselage Covers

The **Canopy/Nose Cover** combines a Canopy Cover and a Nose cover. The Velocity All Models: Standard, 173, XL & V-Twin Canopy/Nose Cover is designed to enclose the windshield, all side windows, canopy roof, and also extends forward to cover the nose. It is a one-piece cover. The Canopy/Nose Cover is custom designed for each model, as well as your aircraft's specific antenna and temperature probe placements. The Canopy/Nose Cover attaches using adjustable "belly straps", which run under the belly and connect to the other side of the cover with a quick-release plastic buckle. To ensure the most secure fit, high-quality shock cord is enclosed in the hem of the cover to help keep the cover tighter against the airplane. Canopy Covers are commonly referred to as Cabin Covers, Fuselage Covers, Canvas Covers, Canopy Caps, etc.

This cover type is made from Silver Acrylic Sunbrella canvas and is 100% lined with a soft and smooth microfiber. Bruce's Custom Covers developed this material combination especially for aircraft protection. The outer material is medium weight and treated for water resistance, UV resistance and anti-static buildup. The inner lining is a very soft and smooth microfiber to prevent scratching. The material is very reflective, and tests show that the cabin interior temperature can be reduced to near-ambient temperature on the hottest of days. It is water, ice and snow repellent, yet breathable to allow moisture to escape from between the cover and the aircraft surface.



Velocity Canopy/Nose/Engine Cover



Twin Velocity Canopy/Nose Cover

| Description | Part Number | Price |
|---|---|---|
| CANOPY/NOSE COVER, specify model | **VEL-001** | **$725.00** |
| CANOPY/NOSE/ENGINE COVER, specify model | **VEL-002** | **$1000.00** |
| CANOPY/NOSE COVER, V-Twin model | **VEL-003** | **$925.00** |
| CANOPY/NOSE/ENGINE COVER (6" extension to cover wing roots), specify model | **VEL-021** | **$1025.00** |

## Section 2: Engine/Prop Covers

**Engine Covers** will cinch around or behind the spinner, cover the entire engine cowl area including the engine air cooling and induction air inlets, and fastens together with Velcro beneath the spinner down the front of the cowling. The Engine Cover is attached with a belly strap aft of the firewall, and can Velcro to the Canopy Cover. Engine Covers are normally made from Solution-Dyed Polyester or Acrylic *Sunbrella*. An Insulated version of the engine cover can be made with a thicker, quilted, and water-repellent material. The Insulated Engine Cover works well in cold climates to help with engine preheating.

The **Velocity All Models: Standard, 173, XL & V-Twin Insulated Engine Cover** works well in cold climates to help with engine preheating. You can add an access flap for an additional fee. It will cinch around or behind the spinner, cover the entire engine cowl area including the engine air inlets, and fastens together with Velcro beneath the spinner down the front of the cowling.

Insulated Covers Material - A special composite material of solution-dyed polyester, 3M Thinsulate insulation, and soft nylon interior fabric. Our insulated covers are designed to complement an engine preheater and help retain heat in the engine compartment after shutdown. If you operate your aircraft in cold-weather, these covers will help prevent engine wear and tear.

The **Velocity All Models: Standard, 173, XL & V-Twin Propeller Cover** is a one-piece design that form fits to the blades and spinner. The prop cover slips over the blades and spinner and is attached by a plastic all-weather zipper on the bottom of the blades. Propeller covers can be made for multiple numbers of blades, and for wooden, composite or metal props. The Propeller Cover is normally made from Acrylic *Sunbrella* or Solution-Dyed Polyester and is lined 100% with a soft and smooth microfiber. **Insulated Propeller Covers** works well in cold climates to help with engine preheating. These insulated versions are made with a thicker, quilted, water-repellent, and breathable material.

This cover type is made from Silver Acrylic Sunbrella canvas and is 100% lined with a soft and smooth microfiber. Bruce's Custom Covers developed this material combination especially for aircraft protection. The outer material is medium weight and treated for water resistance, UV resistance and anti-static buildup. The inner lining is a very soft and smooth microfiber to prevent scratching. The material is very reflective, and tests show that the cabin interior temperature can be reduced to near-ambient temperature on the hottest of days. It is water, ice and snow repellent, yet breathable to allow moisture to escape from between the cover and the aircraft surface.

| Description | Part Number | Price |
|---|---|---|
| PROPELLOR/SPINNER COVER, 2 blade | **VEL-100** | **$300.00** |

| | | |
|---|---|---|
| INSULATED PROPELLOR/SPINNER COVER, 2 blade | **VEL-105** | **$450.00** |
| ENGINE COVER (Model 173) | **VEL-114** | **$405.00** |
| INSULATED ENGINE COVER (Model 173) | **VEL-115** | **$505.00** |
| ENGINE COVER (Model V-Twin) (set of 2) | **VEL-116** | **$810.00** |
| INSULATED ENGINE COVER (Model V-Twin) (set of 2) | **VEL-117** | **$110.00** |

## Section 4: Wing/Tail/Empennage Covers

**Horizontal Stabilizer Covers** are a perfect solution to protect your paint from sun damage and prevent frost, snow, ice buildup, and corrosion. They are made from Solution-Dyed Polyester or Acrylic *Sunbrella*. They cover the entire upper surface of the stabilizers and overlap around the leading and trailing edges as well as the wing tip. The covers secure under each stabilizer with adjustable straps. In some instances, cut-outs are made in the trailing edge of the wing covers to accommodate for static wicks. **Horizontal Stabilizer Covers** for winter use or long-term all year use are usually available, and are normally made from Solution-Dyed Polyester or Acrylic *Sunbrella*. A Hail Protection version can be made which incorporates dense closed cell foam into the entire upper surface of the wing covers to help prevent hail damage. Although these covers are bulky, they do help protect your wing and control surfaces against small to medium-size hail.

ALL-YEAR USE MATERIAL - Made with Silver Acrylic Sunbrella canvas, the all-year use material is the best option for sun protection and cover longevity. This heavier more durable material is intended for all weather conditions, such as rain and snow or lots of sun.

WINTER USE MATERIAL - Made with Solution-Dyed Polyester fabric, this option is intended for seasonal use to aid in deicing, rain mitigation, or for occasional travel. The material is lighter and more compact, but more susceptible to UV damage and may have a shorter useful life if used continuously outside than the all-year use material.

The **Velocity All Models: Standard, 173, XL & V-Twin Wing Covers** are a perfect solution to protect your paint from sun damage and prevent winter frost, snow, ice buildup, and corrosion. They are made from Solution-Dyed Polyester or Acrylic *Sunbrella* and form-fit to slip around each wing tip, cover the entire upper surface of the wing and wrap around the leading and trailing edges. The covers secure under the wing with adjustable straps from the trailing edge to the leading edge. The wing covers can also attach to each other with adjustable straps at the leading and trailing edges of the wing under the belly of the plane. In some instances, cut-outs are made in the trailing edge of the wing covers to accommodate static wicks. We have the ability to also accommodate wing tip modifications, such as STOL kits, droop tips, and vortex generators. Wing covers are labeled LEFT and RIGHT for your convenience. Wing Covers are available for winter use or long-term, all-year use. A Hail Protection version can be made which incorporates very dense closed cell foam into the entire upper surface of the wing covers to help prevent hail damage. Although these covers are bulky, they do help protect your wing and control surfaces against small to medium-size hail.

ALL-YEAR USE MATERIAL - Made with Silver Acrylic Sunbrella canvas, the all-year use material is the best option for sun protection and cover longevity. This heavier more durable material is intended for all weather conditions, such as rain and snow or lots of sun.

WINTER USE MATERIAL - Made with Solution-Dyed Polyester fabric, this option is intended for seasonal use to aid in deicing, rain mitigation, or for occasional travel. The material is lighter and more compact, but more susceptible to UV damage and may have a shorter useful life if used continuously outside than the all-year use material.



Velocity Canopy/Engine/Nose with Abbreviated Wing Covers



Velocity Canopy/Nose/Engine Cover, wing coverage varies

| Description | Part Number | Price |
|---|---|---|
| WING COVERS, WINTER USE, specify model (set of 2) | **VEL-201** | **$765.00** |
| WING COVERS, ALL YEAR USE, specify model (set of 2) | **VEL-202** | **$1000.00** |
| ABBREVIATED WING COVERS, WINTER USE, (inboard section only) (set of 2) | **VEL-203** | **$375.00** |
| ABBREVIATED WING COVERS, ALL YEAR USE, (inboard section only) (set of 2) | **VEL-204** | **$495.00** |
| CANARD COVERS, WINTER USE, specify model (set of 2) | **VEL-301** | **$240.00** |
| CANARD COVERS, ALL YEAR USE, specify model (set of 2) | **VEL-302** | **$300.00** |

## Section 5: HeatShields & Sun Reflectors

**Heatshields** are interior sunshades for an aircraft's windows or canopy glass. The product is a unique composite of closed-cell foam with a silver mylar finish. The semi-rigid design is stiff enough to stand along the inside of the windshield using sun visors or window framing. It folds up flat and easily stores in the included storage sleeve. Some designs may require velcro and suction cups. A Heatshield is an excellent short-term remedy for cockpit overheating.



Velocity Windshield HeartShield



Velocity Windshield HeartShield

| Description | Part Number | Price |
|---|---|---|
| HEATSHIELD SET (set of 5) | **VEL-900** | **$275.00** |
| WINDSHIELD HEATSHIELD | **VEL-901** | **$110.00** |

## Section 6: Miscellaneous Products




Cozy All Models Vertical Stabilizer Covers, All Year Use



Velocity Vertical Stabilizer Covers, test fit cover

| Description | Part Number | Price |
|---|---|---|
| VERTICAL STABILIZER COVERS, WINTER USE (set of 2) | **VEL-400** | **$220.00** |
| VERTICAL STABILIZER COVERS, ALL YEAR USE (set of 2) | **VEL-405** | **$245.00** |

## Section 7: Light Weight Products: Travel Covers and FlyAway Covers

**Engine Covers** will cinch around or behind the spinner, cover the entire engine cowl area including the engine air cooling and induction air inlets, and fastens together with Velcro beneath the spinner down the front of the cowling. The Engine Cover is attached with a belly strap aft of the firewall, and can Velcro to the Canopy Cover. Engine Covers are normally made from Solution-Dyed Polyester or Acrylic *Sunbrella*. An Insulated version of the engine cover can be made with a thicker, quilted, and water-repellent material. The Insulated Engine Cover works well in cold climates to help with engine preheating.

The **Lightweight Travel Canopy/Nose Cover** will cover the same area as our standard canopy/nose cover, but the material used is very lightweight and will fold up and store in a much smaller space. This cover is ideal for the airplane that is in a hangar full-time and only needs a cover on rare occasions.

Travel Covers are made with Silver Solution-Dyed Polyester fabric and only lined over the windshield to save weight. The material is lightweight and more compact for easy stowage in the aircraft. The polyester material is water resistant, but only intended for occasional use outside. We also have an ultra lightweight material available for fitted hangar dust covers. For daily outdoor use, the non-travel Sunbrella Cover is the best choice.



Velocity Canopy/Engine/Nose with Abbreviated Wing Covers



Velocity XL-RG Travel Weight Canopy/Nose/Engine Cover

| Description | Part Number | Price |
|---|---|---|
| TRAVEL COVER, Light Weight Travel Canopy/Nose Cover, specify model | **VEL-801** | **$580.00** |
| TRAVEL COVER, Light Weight Travel Canopy/Nose/Engine Cover, specify model | **VEL-802** | **$800.00** |
| TRAVEL COVER, Light Weight Travel Canopy/Nose Cover, V-Twin Model | **VEL-803** | **$780.00** |
| TRAVEL COVER, Light Weight Travel Canopy/Nose/Engine Cover (6" extension to cover wing roots), specify model | **VEL-821** | **$820.00** |
| TRAVEL COVER, Light Weight Engine Cover | **VEL-840** | **$315.00** |

***Prices subject to change. Other Covers and Design Alterations: Prices on request.***
***Prices are FOB Morgan Hill, CA. Sales tax on orders shipped to California addresses. Orders take approximately 3 weeks to complete. For domestic orders we normally ship by UPS ground service. Next day shipping and air parcel post is available on request. We can take payment by Visa, Mastercard, American Express, or Discover.***

***Bruce's Custom Covers offers protective covers and plugs for virtually every type of airplane, jet and helicopter. If you have questions about our products please call any time TOLL FREE: 800/777-6405, or FAX: 408/738-2729.***

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# Propellor Cover Measuring Worksheet

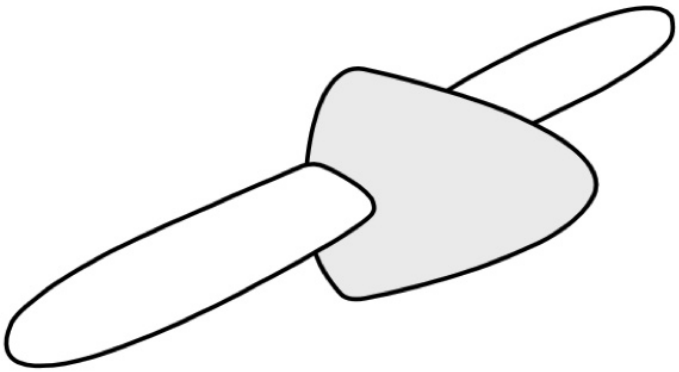
**Instructions:** Measure to the nearest 1/8" and only fill in what applies. You may email, fax or phone in the measurements.

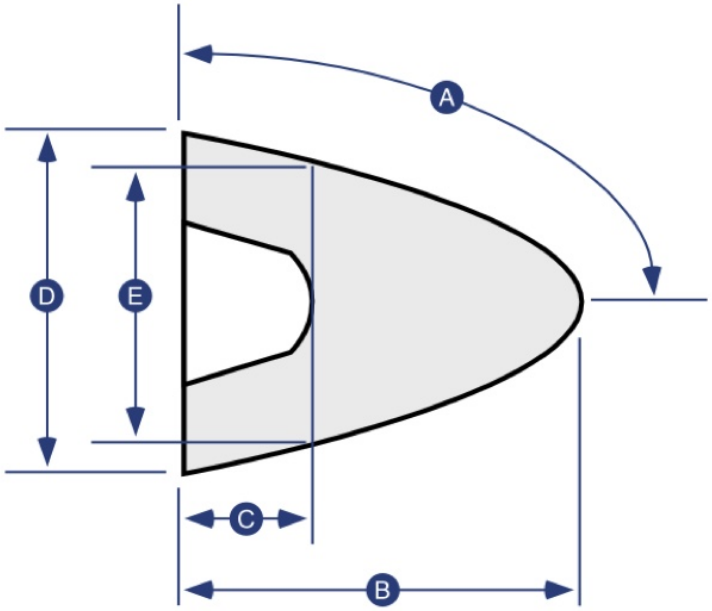
Aircraft Reg / Tail Number: _____ Aircraft Type: _____ Year: _____

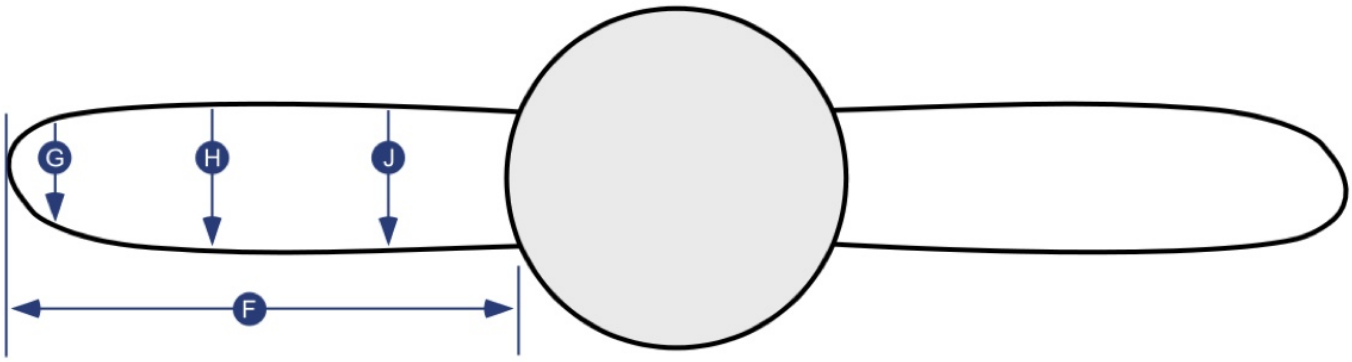
Name: _____ Phone & Email:

## *Propellor Measurements*

| Please check one: | | 2 - Blade | 3 - Blade | 4 - Blade |
|---|---|---|---|---|
| A | Measure along surface of cone | | | |
| B | Measure "straight line" base to tip | | | |
| C | Base to top of blade root opening | | | |
| D | Provide diameter or circumference | | | |
| E | Provide diameter or circumference | | | |
| F | Blade root to prop tip | | | |
| G | Trailing edge to leading edge | | | |
| H | Trailing edge to leading edge | | | |
| J | Trailing edge to leading edge | | | |



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# Aircraft Cover Ordering Form

**Customer Info**

Name _____

Shipping Address _____

_____

Phone & Email _____

**Payment**

Credit Card Number ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Exp. Date ☐☐ / ☐☐ V-Code* ☐☐☐☐

*Visa, Mastercard, Discover: last 3 numbers on back of card, right of signature. Amex: 4 smaller numbers printed on face of card.*

**A/C Info**

Reg / Tail Number: _____ Aircraft Type: _____ Year: _____

Colors / Paint Scheme (be specific): _____

## Please specify below the items you would like to order.

See technical sheet or visit our website for part numbers (or just fill in the description)

| | Part Number | Quant | Description | Price |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| | | | TOTAL | |

***Optional Items (check the box of the item you want)***

☐ ***Imprint** aircraft registration number onto both sides of canopy cover.....$30.00*

☐ ***Imprint** aircraft registration number onto Jet intake covers.....$50.00*

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