

Tech Sheet: Eurocopter BO-105

(eurocopter-B105.pdf)



MBB BO-105 Bubble Cover

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Section 1: Cockpit/Bubble Covers

The **Eurocopter BO-105 Bubble Cover** helps reduce damage to the upholstery and avionics caused by excessive heat and can eliminate problems caused by leaking door and window seals. They keep the windshield and window surfaces clean and help prevent vandalism and theft.

The **Bubble Cover** encloses the entire canopy including the windshield, skylights, and chin bubble. Attachment buckles are made of nonmetal *Delrin*, designed for rugged outdoor use. Both the top and bottom hems of the cover have a special rope-hem feature with which they can be tightened to help prevent abrasive chafing of the windshield. Pockets are sewn into the cover for the temperature probe and pitot tubes. The bubble cover is reinforced with patches at hinge points, door handles, and for the windshield wipers. For ease of installation, the bubble cover is color-coded (red=left, green=right) with color swatches sewn into the corners.

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.

The **Windshield Cover** encloses the windshield only, and is attached with belly straps, and other straps to key locations. Details vary for different aircraft.

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.



MBB BO-105 Bubble Cover



MBB BO-105 Covers (illustration)

Description	Part Number	Price
BUBBLE COVER, STANDARD MODEL	B105-000	\$1030.00
BUBBLE COVER, STANDARD MODEL (with Wire Strike)	B105-005	\$1135.00
BUBBLE COVER, STRETCH MODEL	B105-010	\$1055.00
BUBBLE COVER, STRETCH MODEL (with Wire Strike)	B105-015	\$1165.00
WINDSHIELD COVER	B105-020	\$510.00
WINDSHIELD & CHIN BUBBLE COVER	B105-021	\$580.00

Section 2: Engine/Tail Rotor Covers

Engine Cover details vary by model, but generally these covers are designed to enclose and protect the swash plate, inlet, exhaust and engine access areas. They are designed to tighten up around the main rotor drive shaft and tailboom bottleneck areas, and attach securely with straps either under the belly or to the land gear cross tubes (or both). *Delrin* buckles are used to tighten the attachment straps. The engine cover is made of Solution-Dyed Polyester or acrylic *Sunbrella*, and is available in a variety of colors ([contact us for details]/(contact)). Specific information for each model is available on request.

The **Eurocopter BO-105 Insulated Engine Cover** is made with a thicker, quilted, water-repellent, and breathable material that is insulated on the inside. The Insulated Engine Cover works well in cold climates to help with engine preheating.

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.

Rotor Hub Covers overlaps with the Blade Covers to ensure complete protection for the entire main rotor system. Designed like a jacket with sleeves and no collar, the rotor hub cover fastens together below each blade with *Delrin* buckles. The Rotor Hub Cover is normally made from Solution-Dyed Polyester.

The **Eurocopter BO-105 Blade Covers** are sewn of medium weight Solution-Dyed Polyester. Cut "full" to avoid trim tabs, Blade Covers can be installed from the ground with the aid of lightweight rope which is attached to the open end. Covers are cinched tight at the blade root with straps and quick-release plastic buckles. A small opening at the tip of the cover allows for some air circulation and drainage. For operations in extremely cold weather, the **Cold Weather Blade Covers** are fitted with full length zippers, and with optional "boots" designed to accept a preheater hose.

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.

Blade Tie-Downs are "socks" which fit over the blade tip with or without Blade Covers installed. Front blade tie-downs have two lengths of rope or strap which attaches to the front cross tubes on either side of the cabin. The other tie-downs have generous lengths of rope or strap to tie the blades down at any convenient spot.

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 **Eurocopter BO-105 Tail Rotor Cover** is a one-piece design which encloses both the blades and their hub, snapping closed along the bottom edge. The tail rotor cover is normally made from Solution-Dyed Polyester.

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.



MBB BO-105 Tail Rotor Covers



MBB BO-105 Tail Rotor/Gearbox Cover

Description	Part Number	Price
ENGINE COVER	B105-100	\$755.00
ENGINE COVER, CalStar Model, rectangular exhaust	B105-101	\$1055.00
INSULATED ENGINE COVER	B105-105	\$1055.00
ROTOR HUB COVER	B105-300	\$455.00
BLADE COVERS (set of 4)	B105-400	\$680.00
BLADE COVERS (COLD WEATHER TYPE) (set of 4)	B105-410	\$1020.00
BLADE TIE-DOWNS (fabric type) (set of 4)	B105-500	\$345.00

Section 3: Plugs & Protection

The **Eurocopter BO-105 Intake/Exhaust Plugs** are custom fit for the intake and exhaust openings, made with heavy-duty vinyl material, and stuffed with a single block of sculpted urethane foam. Each plug has a zipper that allows the foam to be removed and dried if necessary. Engine plugs have 'Remove Before Flight' streamers sewn onto the face of the plugs. Most plugs are imprinted with the aircraft registration number in black. Engine plugs may be inserted after flight when the engine is still warm. Engine Inlet Plugs are commonly referred to as Cowl Plugs, Intake Plugs, Cowl Blocks, Engine Blocks, and Engine Bungs.

Pitot Tube Covers, made of Naugahyde vinyl, are designed to cover the entire pitot assembly. Slipping on over the tube, the cover tightens around the base with a special Velcro strap detail. A "Remove Before Flight" streamer is attached to the cover. **Heat Resistant Pitot Covers** are designed to withstand more than 500° Fahrenheit, and will prevent the pitot cover from melting onto the tube if the pitot heat is accidentally turned on with the pitot cover attached.

Description	Part Number	Price
INTAKE PLUG	B105-115	\$185.00
EXHAUST COVERS (set of 3)	B105-120	\$345.00
PITOT COVERS (set of 2)	B105-700	\$240.00

Section 5: HeatShields & Sun Reflectors

Heatshield Interior Reflectors are made of a special laminate of metallized polyester film and closed cell foam. Less than 1/8" thick, the Reflector can fold up flat and store in a sleeve, yet is stiff enough when flat to stand up against the windshield using the sun visors and window framing only. On some designs no Velcro or suction cups are necessary. **Heatshields** are an excellent short-term remedy for cockpit overheating, but use the **Bubble Cover** for more effective and practical long term protection.

Description	Part Number	Price
SKYLIGHT HEATSHIELDS (set of 2)	B105-900	\$155.00

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

The **Eurocopter BO-105 Lightweight Travel Bubble Cover** is the same design as our standard bubble cover, but the material used is very lightweight and will fold up and store in a smaller space.

Travel Covers are made with Silver Solution-Dyed Polyester fabric and fully lined over the entire cover. 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.

The **Windshield Cover** encloses the windshield only, and is attached with belly straps, and other straps to key locations. Details vary for different aircraft.

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
TRAVEL COVER, Light Weight Travel Bubble Cover, STANDARD MODEL	B105-800	\$825.00

TRAVEL COVER, Light Weight Travel Bubble Cover, STANDARD MODEL (with Wire Strike)	B105-810	\$910.00
TRAVEL COVER, Light Weight Travel Bubble Cover, STRETCH MODEL	B105-820	\$840.00
TRAVEL COVER, Light Weight Travel Bubble Cover, STRETCH MODEL (with Wire Strike)	B105-830	\$930.00
TRAVEL COVER, Light Weight Travel Bubble Cover, with RADOME on nose, Long Range Boom Antenna on right, Cargo Mirror on left, NavCom antennas on roof	B105-840	\$1165.00
TRAVEL COVER, Light Weight Travel Windshield Cover	B105-850	\$405.00
TRAVEL COVER, Light Weight Travel Windshield & Chin Bubble Cover	B105-860	\$465.00

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.

Aircraft Cover Ordering Form

Customer Info	Name _____ Shipping Address _____ _____ Phone & Email _____
Payment	Credit Card Number <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Exp. Date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> V-Code* <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <small>*Visa, Mastercard, Discover: last 3 numbers on back of card, right of signature. Amex: 4 smaller numbers printed on face of card.</small>
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)

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

TOTAL	
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Optional Items (check the box of the item you want)	
<input type="checkbox"/>	Imprint aircraft registration number onto both sides of canopy cover.....\$35.00
<input type="checkbox"/>	Imprint aircraft registration number onto jet intake covers.....\$55.00