



*All Made in Australia...*

*Introducing New Products...*

*Owner operated in Adelaide...*



*All Made in Australia...*

*Introducing New Products...*

*Owner operated in Adelaide...*



## Contact Details

Bolly Props Aust

ABN 29 818 080 839

Hanger 1 Calvin Grove Airfield

Nash Rd Virginia SA 5120

PO Box 894 Virginia SA 5120

Phone: 61 (08) 8380 8396

Fax: 61 (08) 8380 9083

Email: [bolly@bollyaviation.com.au](mailto:bolly@bollyaviation.com.au)

Sales: Peter Tapp

**100% AUSTRALIAN MADE**



**Build it Strong - Build it LITE**

## 2012 CATALOGUE



**Props for Every Occasion...**



[www.bollyaviation.com.au](http://www.bollyaviation.com.au)

Call Peter on (08) 8380 8396





## Welcome to Bolly Aviation

We have been designing and manufacturing carbon composite propellers For over 25 years, from 5" to 80" diameter, 1 to 5 blades.

Bolly props are famous for delivering extra performance, efficiency and Durability. Unlike other props in the marketplace that have a "time life" Bolly Props are made only from the world finest Carbon Fibre and UV Stabilized Epoxy Resins that **DO NOT HAVE A TIME LIFE**. Adding to this Our props are fully backed by our own in-house service and repair centre.

For many years recreational pilots have discovered the benefits from our Award winning Optima Series Propeller range. New for **2012** is our new Brolga Sport and Magnum range of propellers, this is our new budget range, Still with the Bolly Quality, performance and guarantee. We now have available The long awaited **BOLLY PITCH GAUGE**.

Also new for **2012** is the NEW BOLLY FACTORY 3 times larger than our last Factory and fitted with the latest machines inc CNC mill. Now located at Calvin Grove Airfield Virginia South Australia.

The Bolly Sky Blazer 2 seat Aircraft is now in the final CAD design stage.



## Bolly Pitch Gauge

Yes we have finally made a pitch Gauge! The Bolly Pitch Gauge is a multi function Pitch Gauge, and comes with a full colour instruction manual and carry bag.



Laser cut from 3mm Aluminium sheet,  
CNC engraved and anodised gold.

**Only \$60.00**



## DURA-TUFF LEADING EDGE

**General :** Our Bolly Dura-tuff propeller leading edge has been developed to provide additional protection against water, gravel, stones and other foreign bodies that are occasionally ingested into and cause damage to propellers. It is a great value for money product, in effect eliminating LE repairs and the application of urethane LE tapes.

**Technical :** Dura-tuff material is a high density / toughened urethane. It is not an inlay nor is it an add on – it is a genuine moulded intergraded part of the propeller. The toughness of the urethane we use is comparable to most roller blade wheels. This provides exceptional wear resistance without adding weight.

**Use :** Our Dura-tuff LE will take all normal wear and tear. Constant abrasion (ie dust etc) will dull the surface in time. Hits from gravel and stones will sometimes leave a small mark. If in time a blade has been sufficiently marked as to require replacement - we provide that service also.

Using a conventional urethane leading edge tape (as applied to the standard Bolly prop blades) is not necessary.

**Damage :** An object such as a large stone (when do you call it a rock ?) or a passenger's dropped camera can be expected to do significant damage. We would suggest that if a hit is big enough to badly damage the dura-tuff edge then the complete blade is likely to be damaged and may need to be scrapped. However please give us a call, it may be repairable.



**Pricing:** All prices are Au\$, including GST. For export, deduct 1/11th

## Optima Series 1 - One Piece Propellers

These one piece propellers featuring optimized pitch distribution, blade shape and weight distribution will deliver efficiency, lowest weight and smoothest running available. This is an expensive manufacturing option and can only be under taken for specific applications. All BOS-1 props are supplied factory balanced. Painted tips are an option at an additional cost.

Product code	Description: Optima Series 1 Blade range	AU\$ Retail
BOS1 54 X 24 N L	54 x 24 Narrow, L/H rotation, 2 blade	\$495.00
BOS1 54 X 24 N L M	54 x 24 Narrow, L/H rotation, 2 blade-Mosquito hub	\$509.00
BOS1 54 X 22 N R	54 x 22 Narrow, R/H rotation, 2 blade	\$435.00
BOS1 36 X 14 S R	36 x 14 Standard, R/H rotation, 2 blade	\$315.00





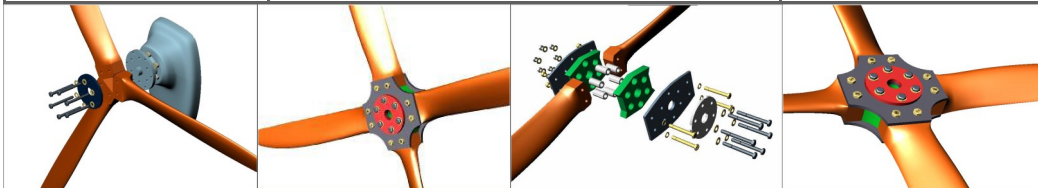


*Propeller Craftmen for over 25 years*

## Optima Series 2 - Fixed Pitch Propellers

**Please Note:** Due to changing demands, the Bolly Series 2 range has been discontinued. However spare parts and repairs are still available.

Product Code	Description: Optima Series 1 Hubs	AU\$ Retail
BOS2 HUB D-2B	2 Blade Direct	\$105.00
BOS2 HUB D-3B	2 Blade Direct	\$105.00
BOS2 HUB 2B	Full Diameter	\$160.00
BOS2 HUB 3B	Full Diameter	\$215.00
BOS2 HUB 3B	Extended Diameter	\$215.00
BOS2 HUB 4B	Full Diameter	\$225.00

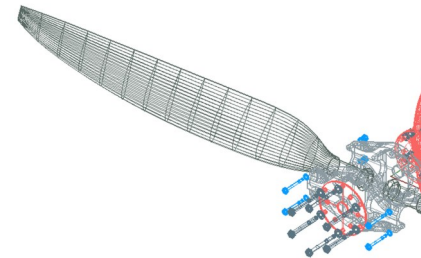


Product Code	Description: Optima Series 2 Blade range	AU\$ Retail
BOS2 62 X 42 SR	Standard R/H Blade (Direct 59 x 40.5)	\$249.00
BOS2 62 X 39 SR	Standard R/H Blade (Direct 59 x 38)	\$249.00
BOS2 62 X 36 SR	Standard R/H Blade (Direct 59 x 34.5)	\$249.00
BOS2 58 X 38 NL	Narrow L/H Blade (Direct 55 x 36.5)	\$239.00
BOS2 58 X 33 NR	Narrow L/R Blade (Direct 55 x 31.5)	\$229.00
BOS2 56 X 26 NL	Narrow L/H Blade (Direct 33 x 24.5)	\$229.00

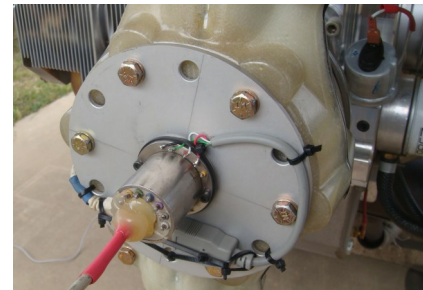


*Propeller Craftmen for over 25 years*

## Prop Design & Testing



**CAD Design**



**CNC from CAD Drawing**

**Tested for Vibrations & harmonics**



**Tested for load and over speed**



**Pulled tested**



Propeller Craftmen for over 25 years

## Rerair & Service

### Full In-house, repair & spare parts Service Centre

To finalize our total commitment to offering the worlds best Props, We offer to all of our Bolly customers our in-house service centre. So wheth-  
er you need a remold to bring your Bolly Prop back to looking brand new  
or you have had a ground strike. We are here to keep you flying... Thats  
the Bolly commitment.

### Full Reconditioning service



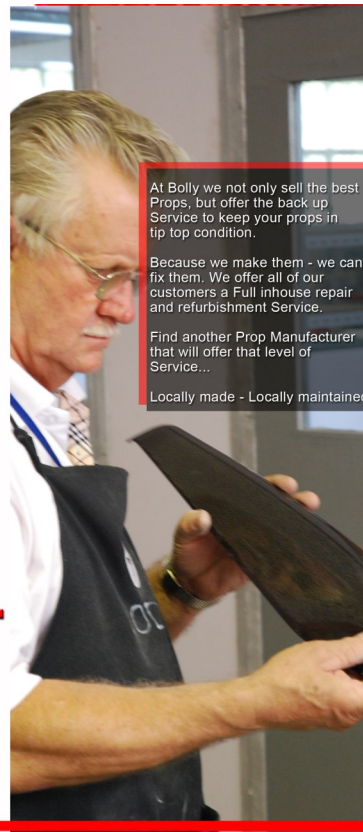
Why not give those beloved Bolly blades a "make over" Just another service offered only by your local Bolly Service Centre

As you can see from these before and after pictures, your blades will be returned to you as new as the day you bought them.

Find another Prop Manufacturer that will match that level of Service...

Locally made - Locally maintained

### Full Repair & Service Centre



At Bolly we not only sell the best Props, but offer the back up Service to keep your props in tip top condition.

Because we make them - we can fix them. We offer all of our customers a Full inhouse repair and refurbishment Service.

Find another Prop Manufacturer that will offer that level of Service...

Locally made - Locally maintained



Propeller Craftmen for over 25 years

### Optima Series 3 - Ground Adjustable Pitch Propellers

The Bolly Optima Series 3 Props are ground adjustable allowing the pitch to be altered, using a 38mm shank. Performance is supreme, with silky smoothness at high efficiency levels.

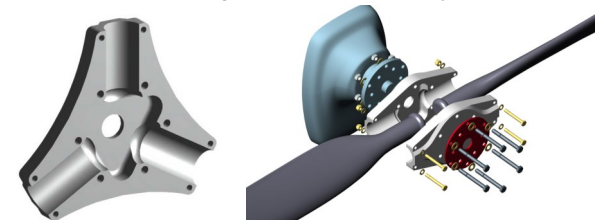
### Blade info - Pricing

Product Code	Description: 38mm Optima Series 3 Blade Range	AU\$ Retail
BOS3 72 X 60	72" L/H or R/H Blade with Dura-Tuff edge	\$395.00
BOS3 68 X 58	68" L/H or R/H Blade with Dura-Tuff edge	\$380.00
BOS3 62 X 52	62" L/H or R/H Blade with Dura-Tuff edge	\$365.00
BOS3 53 X 50	53" R/H Blade with Dura-Tuff edge	\$350.00

### Hub info - Pricing

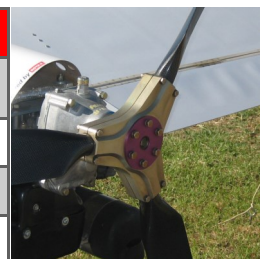
We are proud of our aluminium hubs...truly works of art. CNC machined from 7075 aluminium plate and "gold" anodized for a great look and provides strong corrosion proof for years to come.

Product Code	AU\$ Retail
BOS3 Hub 2 Blade	\$475.00
BOS3 Hub 3Blade	\$495.00
BOS3 Hub 4 Blade	\$595.00



### Full Kit - Pricing- Blades, Hub, C/Plate & Hardware

Blade used with Hub	2B Hub	3B Hub	4B Hub
BOS3 72 X 60	\$1,310.00	\$1,725.00	\$2,220.00
BOS3 68 X 58	\$1,280.00	\$1,680.00	\$2,160.00
BOS3 62 X 52	\$1,250.00	\$1,635.00	\$2,100.00
BOS3 53 X 50	\$1,220.00	\$1,578.00	\$2,023.00







Propeller Craftmen for over 25 years

## Optima Series 4 - Folding Propellers

The Bolly Optima Series 4 Props are folding Propellers to suite applications such as powered foot launch hang gliders. First introduced in 2001, the Prop has been very popular and remains a best seller.

## **BREAKING NEWS...**

**All BOS4 Blades now come with FREE Dura-Tuff leading**



Product Code	Description: Optima Series 4 Blade Range	AUS\$ Retail
BOS4 54 X 22	54 x 22 Narrow L/H or R/H with DT leading edge	\$250.00
Brolga 54 X 22	Same as BOS4 but in glass not carbon & no DT leading edge	\$180.00
BOS4 Hub	Hub Assembly	\$300.00



Propeller Craftmen for over 25 years

## Bolly Spinners & Backing Plates

We can offer pilots our Kevlar Reinforced all glass composite Spinners with matching Backing Plates, all finished in white Polyester Gel Coat. Our Spinners were designed fully in-house which complements our full range of hubs and is sure to impress. Available in 240mm and 265mm. For just \$275.00 inc GST. Or \$99.00 when purchasing any 2, 3 or 4 blade prop. Included in the Spinner kit is the Spinner, Backing Plate and all Hardware.



**Latest CNC Moulds**



Complete Kit from \$49,650

(Includes everything except Battery & Paint)

Build assist available

**The Sky Blazer kit will include:**

- Complete airframe (All aluminium, fibreglass, Timber & carbon fibre construction)
- 1.3m wide luxury cabin with adjustable seats, cabin heat, vents, ergonomically appointed controls and 4 point harness.
- Engine: 100hp 4 stroke V Twin Bolly Aero Engine complete with Reduction drive, Starter, Exhaust system, Oil cooler & Oil tank.
- Prop: Bolly Ground adjustable pitch with Spinner.
- Complete electrical wiring loom, Landing Light and complement of digital instruments. Plus VHF transceiver and headsets.
- Full dual controls with elevator trim.
- Tricycle undercarriage - includes castor nose wheel with ADSC (Auto Directional Stability Control) for excellent ground handling.
- Easy and Quick folding wings for reduced hanger costs.



Proudly Australian Made & Built

**Innovations:**

- Hi-Tech Tapered Wings
- Vari-Pitch 4 piece Flaps
- ADSC Brake Steering (selectable)
- Bolly Aero Engines from 100 - 140 hp
- Camper Convertible

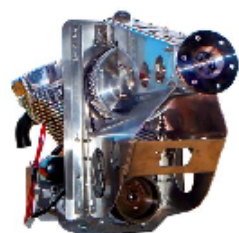
**Performance Targets:**

- 115kts full power cruise.
- Over 100kts economic cruise.
- Fuel burn <15lts/hr. @ 90kts.
- Endurance >8hrs. (720Nm)
- Stall (Clean) below 45kts.
- Stall (landing configuration) below 38kts.
- Payload (including fuel) 244kg.

**Current Production Targets:**

- Prototype 1 (P1) airborne by Easter 2014
- First kit available by or before Nat-Fly 2015.

Follow our progress on  
[www.skyblazeraircraft.com](http://www.skyblazeraircraft.com)  
or Telephone: (08) 8380 8396  
Email: [bolly@bollyaviation.com.au](mailto:bolly@bollyaviation.com.au)  
Internet: [www.bollyaviation.com.au](http://www.bollyaviation.com.au)



**Weight & Dimensions:**

Empty Weight: 295kg  
MTOW: 544kg (RAAus Cat 19)  
Total Height: 2488mm  
Ground clearance to Wing: 1890mm  
Ground clearance to Fuselage: 700mm  
Total Length: 6650mm  
Total Width: 2390mm (Wings Folded)  
Cabin Width: (Internal) 1260mm (4ft 2in)  
Wheel Base: 1522mm  
Wheel Track: 1875mm  
Wing Span: 11.050m (36ft 4in)  
Wing Area: 9.6m<sup>2</sup>  
Fuel Capacity: 120L



## The All New Brolga Sports Range

Good news for Brolga customers, Bolly is proud to introduce the Brolga Sports and Magnum Prop. The Brolga range is a low cost high performance ground adjustable Propeller.

Bbolga Prop Kits	2 blade	3blade	4 blade
Brolga Sport Prop kit with Hub and hardware	\$755.00	\$990.00	\$1225.00
Brolga Magnum Prop kit with Hub and hardware	\$965.00	\$1250.00	\$1535.00

The Brolga Sports prop has a heavier hub than the Magnum. the Sports Blades have no leading edge protection, the Magnum has the full Bolly Dura-Tuff leading edge protection.



BROLGA  
SPORTS  
HUB

LIGHTER  
BROLGA  
MAGNUM  
HUB



We also have the super light weight Brolga carbon hub at extra cost.



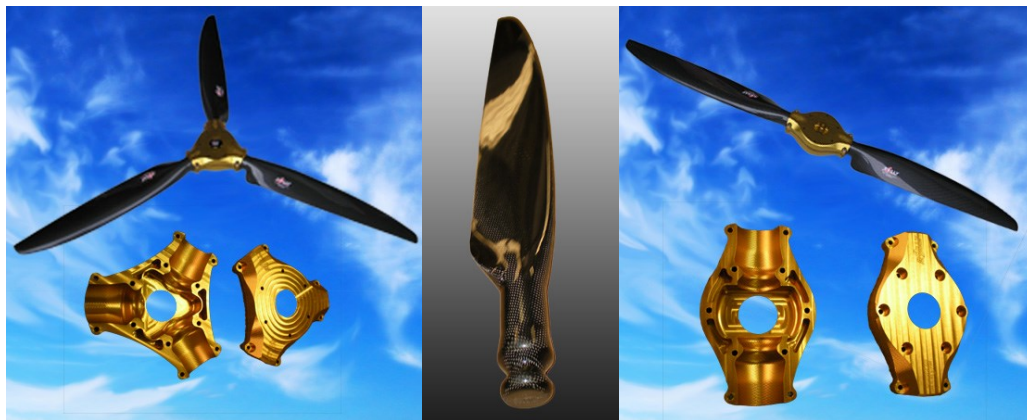


Propeller Craftmen for over 25 years

## BOS5-DD for Direct Drive Engine

Our Bolly BOS5 range of 50mm Props are ground adjustable. Available in 2 or 3 Blades, from 56" to 74". Designed for ALL direct drive engines up to 180hp. The Blade have a full length Bolly Dura-Tuff leading edge for maximum protection. A 50mm tapered root for maximum hub re-tension and a large curved Taurus for maximum engine cooling.

Product Code	Description:	AUS Retail
BOS5-DD BLADES	Blades with DuraTuff	\$500.00
BOS5 2B Hub	Aluminium 2 blade hub	\$480.00
BOS5 3B Hub	Aluminium 3 blade hub	\$500.00



## Complete Prop Kits for Direct Drive Engine

Product Code	Description:	AUS Retail
BOS5-DD 2B	2 Blade Prop kit with hardware and Spinner	\$1540.00 inc
BOS5-DD 3B	3 Blade Prop kit with hardware and Spinner	\$2040.00 inc

# BOLLY SHOW BAG



PEN & LANYARD \$2

BOLLY CAP \$5

POLO TOP \$10

STUBBIE HOLDER \$2.50

CARRY BAG \$0.50

COOLER BAG \$5

**\$25..00 VALUE FOR ONLY \$15**

