

# Bob's Card Models

[www.bobscardmodels.altervista.org](http://www.bobscardmodels.altervista.org) and [www.zealot.com](http://www.zealot.com) [Resources]



## Eurocopter EC145T2 Scale: 1:72

The **Eurocopter Group** is a global helicopter manufacturing and support company. It is the largest in the industry in terms of revenues and turbine helicopter deliveries. Its head office is located in France at Marignane (Marseille International Airport).

The EC145T2T, is the newest 4-ton class twin engine, multi-purpose helicopter in the product range of Eurocopter, and has seen more than 800 deliveries worldwide and has accumulated over 3 million flight hours

The livery chosen is that of France's Sécurité Civile air rescue and fire-fighting organisation, based at Marignane airport near Marseilles, France.

## Specifications (Wikipedia)

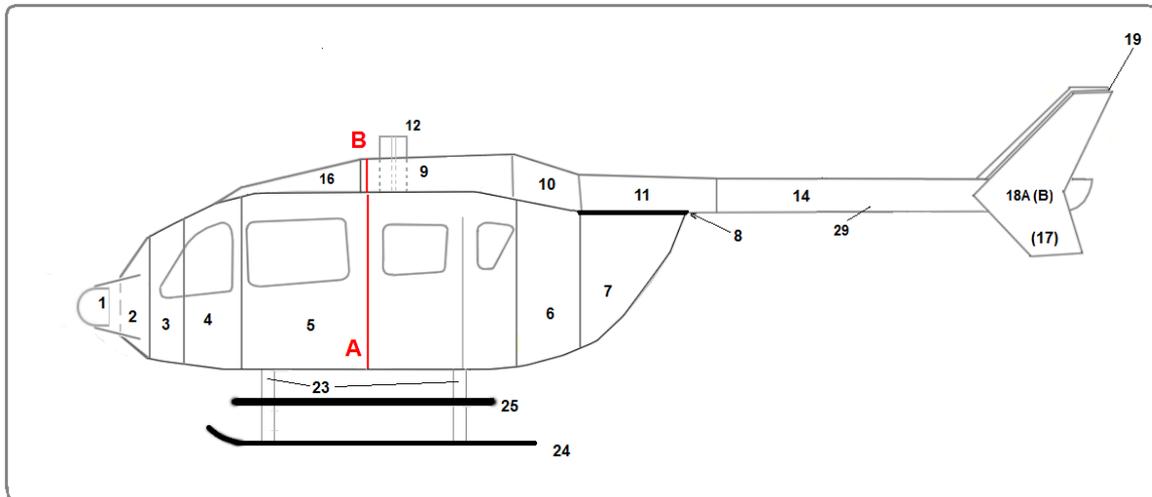
### General characteristics

Crew :	1 or 2 (pilots)
Capacity :	9 passengers
Length:	13.03 m
Rotor diameter:	11.0 m
Height:	3.45 m
Empty weight:	1,792 kg
Max takeoff weight:	3.585 kg
Powerplant:	2 × Turboméca Arrius Main

### Performance

Max. speed :	268 km/h
Cruising speed:	246 km/h
Range:	680 km
Service ceiling:	5,240 m
Rate of climb:	8,1 m/s

## Building Instructions



Print Sheets 1 and 2 on between 160 and 230g card, except Instructions and Sheet 3 which should be printed on 80 - 90g Paper.

Always carefully fit parts together before gluing, and make minor adjustments if necessary.

**Bright Green areas must be cut out, BUT only after gluing any folds. The Instructions will tell you when!**

Although the model is relatively small, bulkheads have also been used to keep the correct cross-sectional form of the fuselage; therefore, they don't have to be glued all around, but rather tacked in place (do not tack on the green areas, which will anyway be cut off). The bulkheads should not be pressed in firmly, but loosely, otherwise after gluing, an unwanted ribbing effect is seen on the outside.

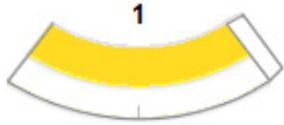
### **NB:**

**Parts 1, 2 and 3: These should be cut oversize then bent/folded along the fold lines, then cut to size.**

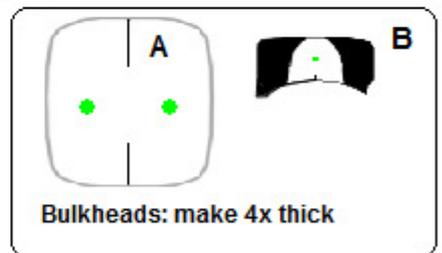
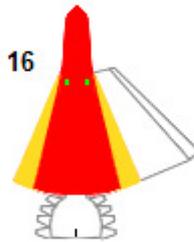
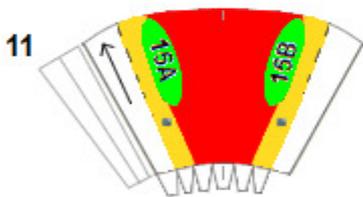
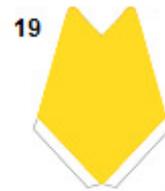
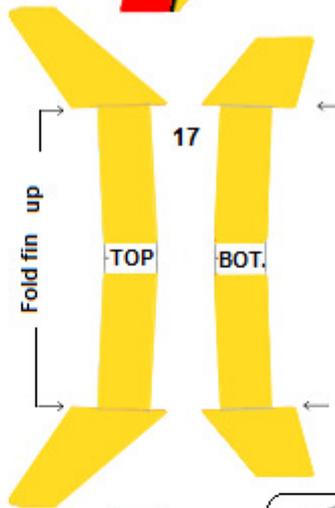
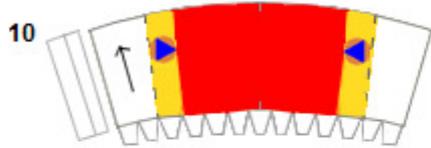
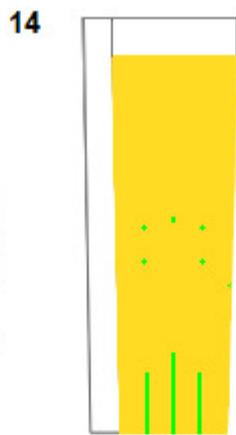
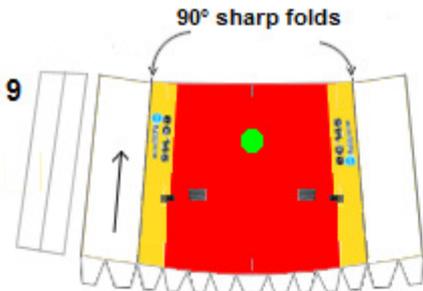
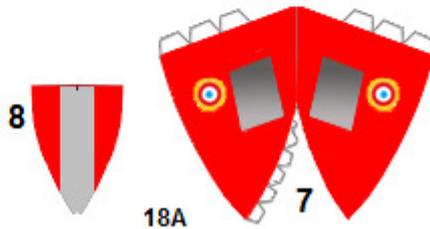
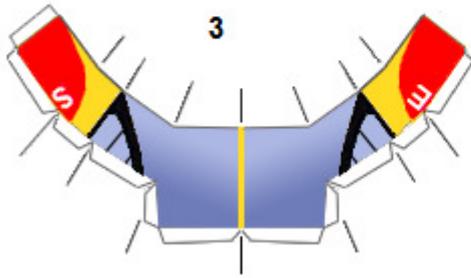
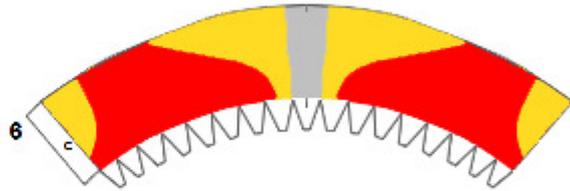
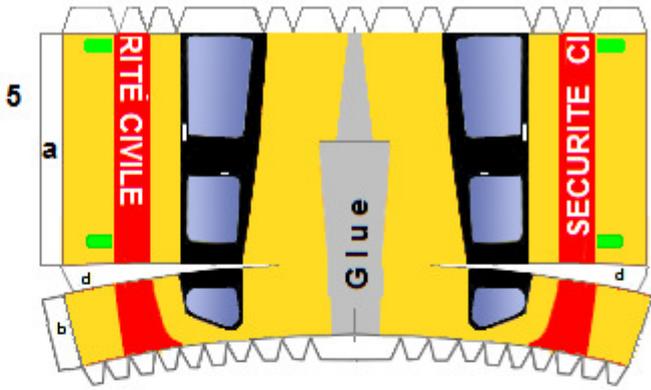
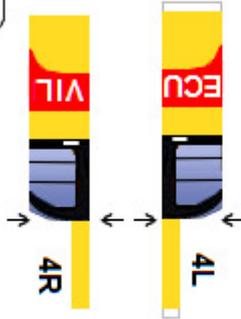
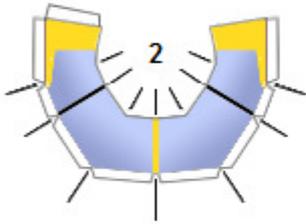
The parts should be assembled in the following order:

1. 1-2, 2-3, 3-4L, 3-4R
2. In nose cone, glue a 3-5gm weight.
3. On 5, close/glue tab 'a'.
4. Glue 5-4L/4R.
5. Close/glue tab 'b' on 5.
6. Insert/glue Bulkhead A.
7. Close/glue 6.
8. 7-6, 6/7-5, 8-7.
9. Close/glue 9, 10.
10. Insert B in 9 (1-2mm countersunk)
11. 9-10.
12. 12-9
13. 11-14: NOTE: Small tabs on 11 must be folded **INTO** the tube; To aid in inserting 11 through the front of 14, first loosely insert a piece of paper from the rear of 14 to hold down the tabs, insert 11, remove paper insert.
14. 11/14-10
15. 15A and 15B -11
16. Glue 16 in place
17. Glue 2 halves of 17 together, previously bending the 4 end fins 90° so that coloured sides point **INWARDS**, then glue on fins 18A and 18B. Glue central fin 19 in place. Insert in slit at end of 14, and glue in place.
18. Assemble and mount rear propeller.
19. Assemble main Prop with parts 21-22, and cap with 23. Glue onto cocktail stick, and cut to length.
20. Assemble undercarriage and skids, then glue in place.



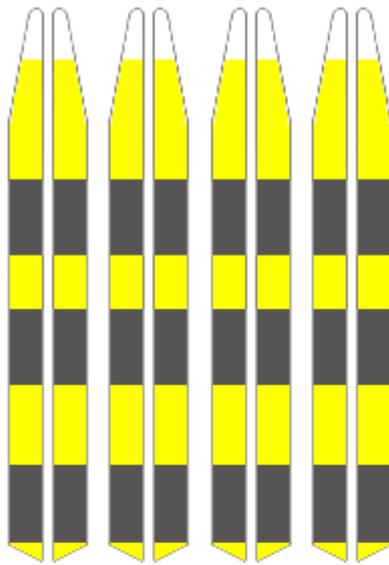


To fabricate the foremost bulb, round the end of a 8 mm wooden rod, insert & glue in place in '1', then paint.



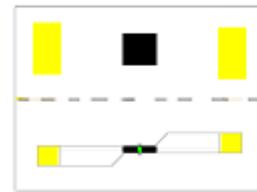
**Prop Shaft Casing 12**  
Roll around (but do not glue to) a cocktail stick, glue paper

21



Rear Prop

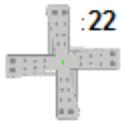
20



a

Roll/glue prop shaft 'a' around a pin.

23



make 3x thick

15A

15B

Exhausts

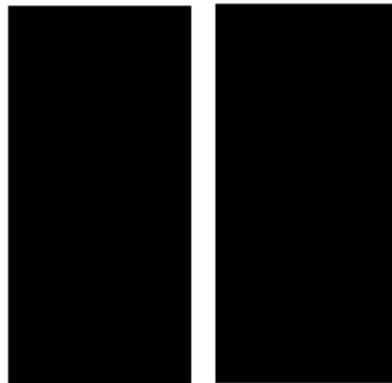
Roll 15A and 15B each around a 4mm diameter rod (black side INSIDE).

Insert in fuselage and glue in place.

Cut off excess card so that 1 mm protrudes

24

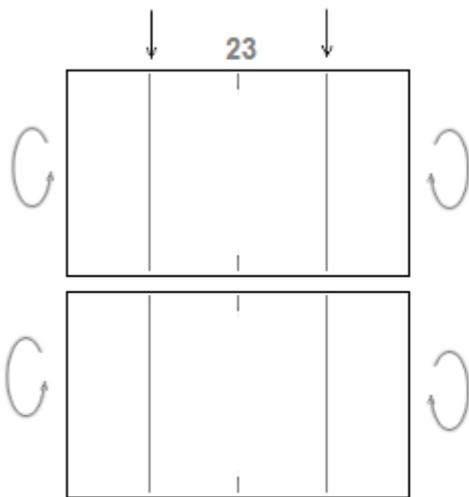
24



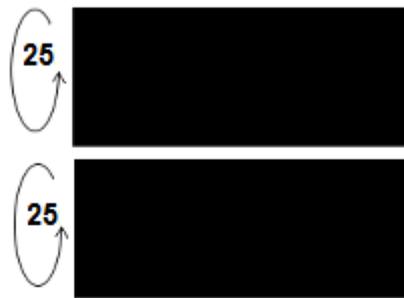
Skids

Roll/glue around a pin.  
Bend to form.

Undercarriage, etc.

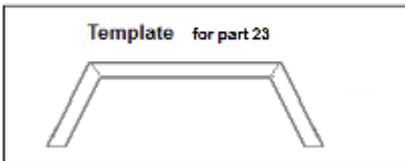


Horiz. Stabilisers



Roll/glue around a pin

Template for part 23



Roll/glue each of 23 around a pin. Bend at the arrowed positions, and stabilise with glue to form shown in template below.

**Print on 80-**  
**90g paper**