

De Havilland Mosquito Mk XII No-Cal

by Andy Blackburn (version 2, 20 April 2022)

Colour Notes

HK382 had the standard Intruder finish of Dark Green (DG) over Medium Sea Gray (MSG) with the undersurfaces overpainted in either Night (N) or RDM2A matt black. In this case it appears to be mostly Night, although the rear half of the spinners looks matt. The serial number is black and the squadron code letters (RO-T) belonged to 29 squadron in May 1944) are dull (roundel) red.

All wood is 1/16" square or sheet unless noted.
1/20" wood can be used for a lighter model.

Typical wing section

MSG

DG

MSG

DG

MSG

DG

N

MSG

Add after assembly.
Be careful not to twist
the wing.

All curved flying surface outlines,
canopy, etc. are 4 strips of 1/64"
x 1/16" balsa, soaked in 50:50
water/PVA and laminated around
a waxed balsa outline.

DG

MSG

DG

R5

DG

MSG

MSG

MSG

MSG

Prob hub from 1/16"
dowel with 3/32"
aluminium tube
reinforcement.

Blade angle template
from scrap sheet

Scrap
1/16" sq

DG

MSG

Small Peck thrust-bush
assembly, 0.7-0.8 mm wire
with brass washer or glass
bead; no freewheel.

1/16" sheet
wing/nacelle
parts, 2 off

Note chamfer on motor stick
to allow for prop clearance when
side thrust is added

Prop blades cut from Waitrose
300 ml yoghurt pot ~ 3" diameter.
Cut blades at 15 degrees to vertical,
position of blade-angle template

Thrust button holder from 1/32"
aluminium. Bind and CA to
blocked-out motor tube nose.

0.7 mm - 0.8 mm
rear rubber hook

Motor Stick Side View

Motor sticks mounted on inside of engine
nacelles, bachelles mounted from sides and
slid down length of wing

Build motor sticks over the side view from light
1/16" x 1/8" with medium 1/8" sq reinforcement
as shown. Cap with medium 1/32" balsa.
and chamfer the corners.

Nacelle fairing added after
assembly, trim motor stick
for fit

100 mm

100 mm

Rib template for
R1 & R2

Root rib
dihedral
template

Balance
here with
pin

Prop blades rotate left, trim for left turn, slightly more turns
on stbd motor to prevent turn opening out. Power is probably
something like a loop of 0.045" in each nacelle.

Covering is Jap (Esaki) tissue
pre-shrunk on a frame, decorated with
fibre-tip pens and permanent artist's
colour marker before covering.

Adjust tail incidence
for a good glide after
balancing at the c.g.

3/4" dihedral measured at
wingtip with root flat on board

100 mm