

No.	Description	Material	Dimensions	Quantity	Note
Wings					
1	Rib 1 - root rib	Poplar	6 mm	2	
2	Rib 2 and 3	Poplar	4 mm	4	
3	Rib 4, 13, 19	Poplar	4 mm	6	
4	Rib 5, 8, 9, 11, 12, 14, 15, 18, 20, 21	Poplar	4 mm	20	
5	Rib 6, 17	Poplar	4 mm	4	
6	Rib 7, 16	Poplar	4 mm	4	
7	Rib 22 - tip rib	Poplar	4 mm	2	
8	Rib 10	Aircraft plywood	4 mm	2	
9	Riblet	Poplar	4 mm	36	
10	Front webbing	Poplar	3 mm	4	Tab at top only owing to wing joiner
11	Front webbing	Poplar	3 mm	2	Tabs outboard at top and bottom only owing to wing joiner
12	Front webbing	Poplar	3 mm	34	
13	Front webbing	Poplar	3 mm	2	Central tab outboard fits in tip rib
14	Rear webbing	Poplar	3 mm	4	Tab at top only due to wing joiner
15	Rear webbing	Poplar	3 mm	2	Tabs outboard at top and bottom only owing to wing joiner
16	Rear webbing	Poplar	3 mm	34	
17	Rear webbing	Poplar	3 mm	2	Larger tab outboard at top to tip rib
18	Slat bracket doubler	Poplar	3 mm	30	
19	Servo plate	Poplar	4 mm	4	
20	Servo frame	Poplar	4 mm	4	
21	Servo retaining plate	Birch	4 mm	4	
22	Wingtip outline	Poplar	4 mm	2	
23	Wingtip rib 1	Poplar	4 mm	2	
24	Wingtip rib 2	Poplar	4 mm	2	
25	Wingtip rib 3	Poplar	4 mm	2	
26	Wingtip rib 4	Poplar	4 mm	2	
27	Tip rib doubler for sheeting	Poplar	4 mm	2	
28	Aileron tip outline	Poplar	4 mm	2	
29	Fore-and-aft wingtip rib, top	Poplar	4 mm	2	
30	Fore-and-aft wingtip rib, bottom	Poplar	4 mm	2	
31	Wingtip doubler	Balsa	8 mm	2	
32	Wing leading edge	Balsa	1700 x 18 x 5 mm	2	
33	Slat bracket	Pertinax	2 mm	16	
34	Slat bracket doubler	Pertinax	2 mm	16	
35	Control surface hinge lug, wing	Pertinax	2 mm	22	
36	Control surface hinge lug, short	Pertinax	3 mm	8	
37	Control surface hinge lug, long (banana)	Pertinax	3 mm	4	

38	Control surface rib, short	Poplar	4 mm	24	
39	Control surface rib, short, for hinge	Poplar	4 mm	8	
40	Control surface rib, long	Poplar	4 mm	8	
40a	Control surface rib, long	Poplar	4 mm	2	Long machined slot in sheeting
41	Control surface rib, long, for hinge	Poplar	4 mm	4	
42	Control surface horn	Pertinax	27 x 3 mm	4	
43	Hinge lug rib doubler	Poplar	3 mm	20	
43a	Hinge lug rib doubler	Poplar	6 mm	6	At aileron hinge lugs; see building instructions
44	Control surface horn doubler	Poplar	3 mm	4	
45	Control surface leading edge	Balsa	1000 x 15 x 10 mm	4	
48	Control surface sheeting, leading edge	Balsa	1000 x 40 x 2 mm	4	
49	In-fill piece	Poplar	4 mm	10	Between double hinge lugs 35
50	Control surface sheeting, trailing edge	Balsa	1000 x 35 x 2 mm	8	
51	Wing sheeting	Balsa	1800 x 200 x 2 mm	4	
52	Balsa tip block	Balsa	60 x 40 x 20/40 mm	4	2 off 20 mm, 2 off 40 mm
53	Secondary strut bracket	Pertinax	20 x 2 mm	4	
54	Control surface spar	Balsa	1000 x 5 x 3 mm	4	
56	Wing spar	Spruce	8 mm	8	
57	Wing jig strip	Spruce	8 mm	4	
58	Front wing joiner clamp	Aluminium	10 mm	2	Machined part with integral wing joiner (61)
59	Rear wing joiner clamp	Aluminium	10 mm	2	Machined part with integral wing joiner (61)
61	Wing joiner sleeve	Brass tube	250 x 6 mm	4	
62	Wing root fairing	GRP	Ready made	2	GRP moulding
63	Leading edge slat	GRP	Ready made	2	GRP moulding
64	Mass balance	GRP	Ready made	8	GRP moulding, glued to hinge lug
65	Socket-head screw, washer and nut	Steel	M2 x 12 mm	12	For control surface hinge lug
66	Aluminium front strut bracket	Aluminium	10 x 3 mm	2	
67	Aluminium rear strut bracket	Aluminium	10 x 3 mm	2	
68	Socket-head strut screw with washer and locknut	Steel	M4 x 12 mm	8	For attaching bracket to rib 10
69	Socket-head screw with captive nut	Steel	M4 x 30 mm	8	Servo retaining screw
70	Comb template	Plastic	2 mm	3	Rib locating jig
71	Riblet positioning jig	Pertinax	2 mm	5	
72	Socket-head screw and nut for slat bracket	Steel	M2 x 8 mm	32	

Wing struts

80	Hardwood strip, teardrop profile	Spruce	1000 x 28 mm	2	
81	Hardwood strip, teardrop profile	Spruce	1000 x 24 mm	2	
82	Secondary strut and mounting bracket	Stainless steel		2	Hard-soldered
83	Metal connecting plate with M4 socket	Stainless steel	1 mm	2	Hard-soldered

84	Studding	Steel	M4 x 80 mm	4
85	Clevis with spring-clip and nut	Steel	M4 x 8 mm	6
86	Socket-head screw with washer and nut	Steel	M2 x 18 mm	16

Tailplane struts

90	Tailplane strut, teardrop profile	Spruce	1000 x 15 mm	1
91	Studding	Steel	M3 x 50 mm	4
92	Clevis	Steel	M3	4

Tailplane

100	Jig plate	Poplar	4 mm	1	
101	Tailplane rib 1 = root rib	Poplar	6 mm	2	
102	Tailplane rib 2	Poplar	4 mm	2	For installation of standard servo in tailplane
102a	Tailplane rib 2	Poplar	4 mm	2	For installation of small servo, size 33 x 15 mm
103	Tailplane rib 3	Poplar	4 mm	2	
104	Tailplane rib 4	Poplar	4 mm	2	
105	Tailplane rib 5	Poplar	4 mm	2	
106	Tailplane rib 6	Poplar	4 mm	2	
107	Tailplane rib 7	Poplar	4 mm	2	
108	Tailplane rib 8	Poplar	4 mm	2	
109	Tailplane leading edge	Balsa	1000 x 10 x 5 mm	1	
110	Tailplane spar	Balsa	1000 x 5 x 3 mm	2	
111	Trailing edge	Balsa	1000 x 10 x 10 mm	1	
112	Sheeting and capstrips	Balsa	1000 x 10 x 2 mm	2	
113	Negative rib 1	Poplar	6 mm	2	
114	Negative rib 2	Poplar	4 mm	2	
115	Negative rib 3	Poplar	4 mm	2	
116	Negative rib 4	Poplar	4 mm	2	
117	Negative rib 5	Poplar	4 mm	2	
118	Strut bracket and spreader plate	Pertinax	3 mm	2	
119	Socket head screw	Steel	M3 x 20 mm	8	For attaching Pertinax strut bracket
120	Elevator trailing edge 1	Poplar	4 mm	2	
121	Elevator trailing edge 2	Poplar	4 mm	2	
122	Elevator rib 1	Poplar	4 mm	2	
123	Elevator rib 2	Poplar	4 mm	2	
124	Elevator rib 3	Poplar	4 mm	2	
125	Elevator rib 4	Poplar	4 mm	2	
126	Elevator rib 5	Poplar	4 mm	2	

127	Elevator rib 6	Poplar	4 mm	2	
128	Elevator rib 7	Poplar	4 mm	2	
129	Elevator rib 8	Poplar	4 mm	2	
130	Elevator rib 9	Poplar	4 mm	2	
131	False leading edge	Poplar	3 mm	2	
132	Elevator leading edge	Balsa	8 mm	2	Machined part
133	Elevator spar	Balsa	1000 x 8 x 5 mm	2	
134	Point-hinge reinforcement	Balsa	20 x 20 x 15 mm	6	
135	GRP sleeve	GRP	1000 x 5 mm	1	Jig component; also required for rudder (part 165)
136	Horn	Pertinax	3 mm	2	
137	Point-hinge	Plastic	5 mm	6	
138	Elevator jig	Spruce	Various x 22 x 22 mm	5	
139	Balsa block	Balsa	97 x 47 x 15 mm	4	
140	Rear tailplane joiner sleeve	GRP sleeve	16 x 15 x 330 mm	1	
141	Rear tailplane joiner	Aluminium	15 x 330 mm	1	
142	Front tailplane joiner sleeve	Brass	6 x 5.1 x 330 mm	1	
143	Front tailplane joiner	Aluminium	5 x 330 mm	1	
144	Screw-hook for root rib	Steel	3 mm		

Rudder

150	Trailing edge	Poplar	3 mm	1	
151	Rudder rib 1	Poplar	4 mm	1	
152	Rudder rib 2	Poplar	4 mm	1	
153	Rudder rib 3	Poplar	4 mm	1	
154	Rudder rib 4	Poplar	4 mm	1	
155	Rudder rib 5	Poplar	4 mm	1	
156	Rudder rib 6	Poplar	4 mm	1	
157	Rudder rib 7	Poplar	4 mm	1	
158	Rudder rib 8	Poplar	4 mm	1	
159	False leading edge	Poplar	3 mm	1	
160	Rudder leading edge	Balsa	8 mm	1	Machined part
161	Bottom strip	Balsa	8 mm	1	Machined part
162	Rudder spar	Balsa	1000 x 8 x 5 mm	1	
163	Horn reinforcement	Balsa	20 x 20 x 15 mm	3	
164	Steel pivot rod	Steel	500 x 2 mm	1	Rudder pivot rod
165	GRP tube	GRP	1000 x 5 mm	1	Jig component, as part 135
166	Horn	Pertinax	3 mm	1	
167	Point-hinge	Plastic	5 mm	3	
168	Jig component	Spruce	80 x 22 x 22 mm	4	

Fuselage

200	Former 1 - engine bulkhead	Birch	12 mm	1	
201	Former 1a	Birch	6 mm	1	Front undercarriage support plate
202	Former 2	Poplar	6 mm	1	
203	Former 3	Poplar	6 mm	1	
204	Former 4	Poplar	6 mm	1	
205	Former 4a	Birch plywood	4 mm	1	Rear undercarriage support plate
206	Former 5	Poplar	6 mm	1	
207	Former 6	Poplar	6 mm	1	
208	Tailwheel support former	Poplar	6 mm	1	
209	Tail post	Poplar	6 mm	1	
210	Servo plate	Poplar	6 mm	1	
211	Aero-tow mechanism part 1	Poplar	6 mm	1	
212	Aero-tow mechanism part 2	Poplar	6 mm	1	
213	Aero-tow mechanism part 3	Poplar	6 mm	2	
214	Servo frame	Poplar	4 mm	1	Same as, and marked as, part (20)
215	Servo support plate	Birch	4 mm	1	Same as, and marked as, part (21)
216	Hardwood dowel reinforcement	Beech	8 Ø x 1000 mm	1	Rear cabin strut
217	Diagonal reinforcement, engine bulkhead - spar bridge	CFRP	2,5 Ø x 1000 mm	1	
218	Tailplane strut bracket	GRP	2.5 mm	1	Machined part
219	Undercarriage bridge	Flat aluminium bar	290 x 10 x 4 mm	1	Machined part
220	Strut bridge	Angle-section alun	210 x 20 x 20 mm	1	Machined part
221	Socket-head screw	Steel	M4 x 10 mm	5	
222	Socket-head screw	Steel	M4 x 40 mm	2	For attaching rear undercarriage support
223	Brass sleeve	Brass	5 x 4.1 x 30 mm	2	For attaching rear undercarriage support
224	Threaded sleeve	Steel	M4	4	For attaching cowl + front undercarr. support to engine bulkhead
225	Self-locking nut	Steel	M4	10	
226	Socket-head screw and captive nut	Steel	M4 x 10 mm	5	
227	Brass sleeve	Brass	6 x 5.1 x 265 mm	2	Wing joiner, fuselage
228	Wing joiner	Spring steel	5 x 760 mm	2	
229	Fuselage	GRP		1	GRP moulding
230	Cowl	GRP		1	GRP moulding
231	Exhaust tail-pipe	GRP		1	1 GRP part = 2 exhausts
232	Long former jig component	Poplar	4 mm	4	Fuselage former positioning jig
233	Short former jig component	Poplar	4 mm	4	Fuselage former positioning jig
234	Glazing	Clear polyester	1000 x 600 x 0.8 mm		Machine-cut sheet
235	Socket-head screw with locknut	Steel	M4 x 14 mm	3	For attaching strut bridge to former
236	Socket-head screw with captive nut	Steel	M4 x 30 mm	2	Servo retaining screw
237	Tailwheel unit, complete	Stainless steel		1	Hard-soldered

Undercarriage

250	Main undercarriage support, left /right	Stainless steel		2	Hard-soldered
251	Front undercarriage strut, left / right	Stainless steel	475 mm	2	Hard-soldered
252	Rear undercarriage strut, left / right	Stainless steel	380 mm	2	Hard-soldered
253	Front strut bracket	Angle-section alun	20 x 20 x 50 mm	2	Machined part for attaching to secondary former 1a
254	Rear strut bracket	Angle-section alun	20 x 20 x 15 mm	2	Machined part for attaching to secondary former 4a
255	Gas strut + top loop		411 mm	2	Ready made
256	Axle / gas strut bracket	Round aluminium	15 Ø x 50 mm	2	Ready made
257	Socket-head screw with nut	Steel	M6 x 60 mm	2	Wheel axle
258	Compression spring	Steel	110 mm	2	Fits over piston rod
259	Socket-head screw with locknut	Steel	M4 x 16 mm	2	For attaching front support bracket to former 1a
260	Socket-head screw + captive nut	Steel	M4 x 8 mm	2	For attaching rear support bracket to former 4a
261	Socket-head screw	Steel	M3 x 10 mm	2	For attaching lower fairing to axle bracket
262	Socket-head screw with self-locking nut	Steel	M6 x 22 mm	2	For attaching lower undercarriage strut to axle bracket
263	Upper undercarriage fairing	GRP		2	
264	Lower undercarriage fairing	GRP		2	To be screwed to bottom axle bracket