First 100 Models

SPIN-TUNNEL PROJECT INDEX

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
*1 & 2		Rough Models		
3	Consolidated	XN2Y-1	1/10	
4	Boeing	F4B-2	1/12	
5	Bellanca (Scout)	XSE-1	1/16	
6	Boeing	XF6B-1 (XBFB-1)	1/10	
7	Boeing	P-26A	1/16	
*8	Boeing	P-29	1/16	
9	Consolidated P-30	PB-2 (&PB-2A)	1/16	
9a	Consolidated	PB-2	1/16	Spin tests with additional lower fin
9b	Consolidated	PB-2	1/16	Spin tests with full length rudder
10	Boeing	NB-1	1/16	
*11	Vought	O2U-1		
12	Grumman	F2F-1	1/12	
13	Grumman	XF3F-1	1/12	
13a	Grumman	XF3F-1	1/12	Spin tests with modified tail
14	Vought	XSB2U-1	1/16	
14a	Vought	XSB2U-1	1/16	Spin tests with aileron effect
15	N.A.F.	XN3N-2	1/16	
16	Brewster	XF2A-1	1/16	
17	N. American	BT-9	1/16	
18	Martin (Scout)	M-159	1/12	
19	Vought	V-143	1/16	

* Indicates no report for this project.

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
20	Northrop	A-17	1/15	
21	N.A.F.	XOSN-1	1/16	
22	Seversky	P-35	1/18	
23	Grumman	XF4F-2	1/12	
24	Chance Vought	XOS2U-1	1/16	
25	Stearman	XOSS-1	1/16	
26	Lockheed	XP-38	1/20	
27	Grumman	XF3F-2	1/12	
27a	Grumman	XF3F-2	1/12	Preliminary spin tests
28	Seversky	NF-1	1/12	
29	Curtiss	P-36A	1/20	
30	Bell	P-39	1/20	
*31	Demonstration	BS-1	1/16	
32	N.A.F.	XOSN-1	1/16	Spin tests with new wings
33	Curtiss	YP-37	1/20	
34	Vought	XSO2U-1	1/16	
35	N. American	BT-9A	1/20	
36	Vought	XF4U-1	1/20	
36a	Vought	XF4U-1	1/20	Spin tests with modified tail
36b	Vought	XF4U-1	1/20	Spin tests with various tail arrangements
36c	Vought	XF4U-1	1/20	Spin tests with various loadings
37	N.A.F.	XN5N-1	1/15	
37a	N.A.F.	XN5N-1	1/ 15	Spin tests with modified tail
38	Grumman	XF4F-3	1/18	
39	Bell	YFM-1	1/25	

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
40	N.A.F.	SBN-1	1/18	
41	Curtiss	XSO3C-1	1/14	
42	Brewster	XF2A-2	1/16	
43	Brewster	F2A-1	1/16	
44	N.A.F.	N3N-3	1/16	
45	Grumman	XF5F-1	1/22	
46	Bell	XFL-1	1/20	
47	Curtiss	P-40	1/20	
48	Lockheed	XB-2	1/50	
49	Brewster	XSB2A-1	1/25	
50	Curtiss	XSB2C-1	1/20	
51	Burnelli	XB-AB-3	1/24	
52	N.A.F.	N3N-1	1/16	
53	Northrop	A-17	1/25	
54	Fleetwings	XBT-12	1/14	
55	Douglas	SBD-1	1/20	
56	Martin	B-26	1/26	
57	Douglas	A-20	1/30	
58	Vultee	BT-13	1/16	
59	Airc. Res. Corp.	XBT-11	1/16	
60	Laminar flow	J-3	1/15	
61	Curtiss	O-52	1/20	
62	Curtiss	XP-46	1/20	
63	Grumman	XP-50	1/25	
64	Republic	P-44	1/20	
65		Canard		

PROJECT NO. COMPANY	AIRPLANE DESIGNATION	Model SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
66 Northrop	XP-56	1/16	
67 Vought Sikorsky	V-173	1/16	
68 Vought Sikorsky	XTBU-1	1/24	
69 Grumman	XTBF-1	1/22	
70 Seversky	YP-43	1/12	
71 Republic	XP-47B	1/20	
71a Republic	XP-47B	1/20	Supplementary spin tests
72 N. American	BT-14	1/14.465	
73 Curtiss	P-40B	1/20	
74 Curtiss	XP-60	1/20	
75 Northrop	XP-61	1/30	
*76 Spartan	NP-1		
77 Stearman	XAT-15	1/24	
78 Bell	XP-59	1/20	
79 Bell	P-39D	1/20	
80 Fairchild	XAT-13	1/25	
81 Curtiss	CW-24B	1/16	
82 Douglas	DC-3	1/23.75	
83 Bell	XP-39E	1/20	
83a Bell	XP-39E	1/20	Supplementary spin tests
84 Bell	XP-63 (L-39)	1/15	
85 McDonnell	XP-67	1/27	
86 Curtiss	P-40E	1/20	
87 Curtiss	P-40F 1942	1/20	
88 Curtiss	XSB3C-1	1/20.8333	

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
89	Republic	XP-69	1/20	
90	Curtiss	SNC-1	1/14	
91	Curtiss	XP-62	1/22	
92	Boeing	XB-29	1/40	
93	Grumman	XF6F-1 & 3	1/15	
94	Douglas	XSB2D-1	1/20	
95	Curtiss	XP-60A	1/20	
96	Curtiss	XF14C-1 & XF14C-2	1/20	
97	Curtiss	SB2C-1	1/20	
98	Douglas	A-26	1/30	
99	Bell	XP-77	1/15	
100	Fairchild	C-82	1/60	
101	Curtiss	XP-71	1/28	
102	Curtiss	XSC-1	1/16	
103	Brewster	XA-32	1/20	
104	Fleetwings	XA-39	1/20	
105	Curtiss	XP-60C	1/20	
106	Curtiss	XP-60A-1CU XP-60B-1CU	1/20	
107	Northrop	N-9M	1/11.638	
108	Northrop	XB-35	1/57.33	
109	Grumman	XF7F-1	1/20	
110	McDonnell	XFD-1	1/14	
111	General Motors	XP-75	1/16	
112	Cornelius	XFG-1	1/17.8	

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
113	Consolidated Vul.	XA-41	1/20	
114	Gen. Air Trans.	XCG-16	1/32	
115	Curtiss	XP-60E	1/20	
116	Republic	P-47D-30	1/20	
117	Boeing	XF8B-1	1/20	
118	Burtiss Wright	XP-55	0.059	
119	Bell	YP-59A	1/20	
119a	Bell	YP-59A	1/20	Spin tests with modified wing and tail
120	Bell	XP-59B	1/15	
121	Ryan	XFR-1	1/16	
*122	Interstate	XBDR-1	1/20	
123	Douglas	BTD-1	1/20	
124	Curtiss	XBTC-2	1/20	
125	General Motors	P-75	1/20	
126	Chance Vought	XF5U-1	1/16	
127	Martin	XBTM-1	1/20	
128	Lockheed	MX-409 (P-80)	1/17	
129	Avion	MX-365 (P-79)	1/16	
130	Bell	MX-511 (P-83)	1/24	
131	Consolidated Vul. Proj No. 2265	MX-480 (P-81)	1/20	
132	Douglas	B-42	1/16	
133	Grumman	XF8F-1	1/18	
134	Douglas (RFC 218)	XTB2D-1	1/26	
135	Fleetwing (RFC 263)	XBTK-1	1/20	
136	Curtiss	XF15C-1	1/20	

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
137	Republic	P-47N	1/25	
138	Republic	MX-578 (P-84)	1/20	
139	Bell	D-22	1/10	
140	Douglas	XBT2D-1	1/21	
141	Chance Vought	XF6U-1	1/20	
142	Curtiss	SC-1	1/16	
143	Curtiss	XBT2C-1	~~1/16~~ 1/20	
144	General Motors	P-75	1/20	Spin tests with production version tail
145	Cornelius	XFG-1	1/17.8	Supplementary spin tests
146	North American	XFJ-1	1/20	
147	Curtiss	SB2C-5	1/20	
148	Bell	MX-653 (XS-1)	1/18, 1/28	
149	Consolidated	XPB3Y-1	1/45	
150				Tail changes on low-wing monoplane
151				Low-wing monoplane with systematic changes (General Research) Part I Basic Loading
152				(General Research) Part II Mass distribution along fuselage
153				(General Research) Part III Mass distribution along wing
154				(General Research) Part IV Effect of center-of-gravity location
155				(General Research) Part V Effect of airplane relative density
156				Comparison of model and airplane results

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157				Spin design criterion
158				Spin tests of low-wing monoplane in flight and in tunnel
159				Aileron as an aid to recovery
160				Effect of model scale on spin characteristics
161				Multiengine airplane spin characteristics
162				Angular velocities in spins
163				Influence of loading condition and pilot technique for recovery
164				Spanwise mass distribution
165				Proposed spin demonstration for airplanes
166				Mass distribution criterion
167	Republic	XP-47D	1/20	
168	Bell	P-39D-1	1/20	
169				Elevator stick forces
170				Antispin tail parachutes
171	Bell	P-63A-1-BE	1/15	
172				Wing leading-edge slots
173	Bell	P-63A-1-BE	1/15	With vee tail
174				Inverted spins
175				Spinning of large airplanes
176				Towline tension and stability of parachutes
177				Extreme mass variations along the three body axis (spherical mass)
178				Comparison of tail and wing-tip parachutes
179	Douglas	P-70	1/30	Control forces in spins

PROJECT NO.	COMPANY	AIRPLANE DESIGNATION	MODEL SCALE	PROJECT TITLE (Spin tests except where otherwise noted)
180	Curtiss-Wright	P-55	0.059	Trim tests
181	Ryan	XFR-1	1/16	Supplementary spin tests
182	Edo	XOSE-1		Spin prediction
183	Bell	(XP-83) MX-511	1/24	Controls forces in spins
184				Revised spin design criterion
185				Ambient air effect on moments of inertia
186	(FFC 195)			Summary report
187	(FFC 212)			Effect of horizontal tail location on rudder-hinge moments, unbalanced rudder
188				Rockets as spin-recoverydevices
189				General Research, Part VI Effect of uniform changes on moments of inertia and effect of twin tails
190	Northrop	N-9M	1/11.638	Tumbling tests
191	Douglas	MX-475 (B-43)	1/35	
192	Fairchild	XNQ-1	1/18	
193	Douglas	D-558, Phase I		Phase I configuration
194	McDonnell	XF2D-1		
195				(General Research) Part VII Effect of vertical location of wing (high wing)
196				Propellers in spins
197	Republic	P-44	1/20	Spin tests as a high-wing monoplane
198	Northrop	A-17	1/15	Scale effect
199	Curtiss	XP-60A	1/20	Spin tests with all-moving horizontal tail

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