

# N4575A

## Grob 102 Astir iiib CHECKLIST

SEE WEIGHT LIMITS ON REVERSE

### **COCKPIT:**

Weight & Balance ..... CALCULATE  
Landing gear ..... DOWN & LOCKED  
Radio ..... ON BOARD  
AROW Documents ..... ON BOARD  
Canopy condition ..... CHECK  
Canopy Lock ..... INSPECT  
Canopy Jettison ..... SECURE  
Wing spar spigots ..... SECURE  
Cushions/Parachute ... AS REQUIRED  
Rudder pedals ..... ADJUST & LOCK  
Harness ..... INSPECT  
Spoilers ..... UNLOCKED  
Controls ..... POSITIVE CHECK

### **FWD FUSELAGE:**

General condition ..... CHECK  
Yaw string ..... CHECK  
Static port (LF) ..... CHECK  
Tow hook ..... INSPECT  
Canopy hinges ..... SECURE & FLUSH  
Static port (RF) ..... CHECK  
Main wheel ..... CHECK (36psi)  
Gear strut ..... AXLE VISIBLE  
Gear doors ..... INSPECT

### **EACH WING:**

General condition ..... CHECK  
Ballast cap ..... SECURE  
Aileron ..... CHECK  
Aileron gap seal ..... INSPECT  
Shake test ..... PERFORM

### **REAR FUSELAGE:**

General condition ..... CHECK  
R. Wing gap seal ..... CHECK  
Static port (RR) ..... CHECK  
Tailwheel ..... INSPECT  
T-Tail bolt/nut ..... SECURE (TAPED)  
TE Probe ..... INSPECT  
Pitot tube ..... INSPECT  
Rudder gap seal ..... INSPECT  
Rudder ..... CHECK  
Elevator ..... CHECK  
Elevator actuator ..... INSPECT  
Static port (LR) ..... INSPECT  
L. Wing gap seal ..... CHECK

PREFLIGHT INSPECTION COMPLETE

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## PRE-TAKEOFF

Cockpit ballast ..... AS REQUIRED  
Water ballast ..... AS REQUIRED  
Tow altitude ..... REQUEST  
  
Electric timer ..... START  
Radio ..... ON  
Transponder ..... SBY/1200  
Controls ..... CHECK  
Straps ..... SECURE  
Instruments ..... CHECK & SET  
Trim ..... SET (FWD)  
Canopy ..... CLOSE & LATCH  
Spoilers ..... CLOSE & LOCK  
Tow rope ..... ATTACH  
Wind direction ..... ASSESS  
Emergency plan ..... BRIEF  
Transponder ..... ALT + DISCREET  
Launch path ..... CLEAR  
OSO ..... SIGNAL READY

PRE-TAKEOFF CHECKLIST COMPLETE

**Max. Aerotow ..... 92 KIAS**  
**Max. Winch ..... 64 KIAS**

## OFF-TOW CHECKLIST

Tow rope ..... CLEAR  
Tow plane ..... DECONFLICT  
Airspeed ..... ESTABLISH  
Landing gear ..... RETRACT  
Trim ..... AS REQUIRED  
Variometer ..... ON  
Lookout ..... MAINTAIN

OFF-TOW CHECKLIST COMPLETE

**Vne ..... 135 KIAS    Min.sink ... 40 KIAS**  
**Vs0 ..... 32 KIAS    Best L/D ... 56 KIAS**  
**Vs1 38-42 KIAS    Best Speed 65 KIAS**

## PRE-LANDING CHECKLIST

**Landing gear ..... EXTEND & LOCK**  
Pattern entry ..... ANNOUNCE **!GEAR!**  
Airspeed ..... 55 KIAS MINIMUM  
Spoilers ..... UNLOCK  
Pattern, TDZ ..... CLEAR  
Transponder ..... OFF AFTER LANDING

PRE-LANDING CHECKLIST COMPLETE

**COASTAL (83J) CTAF            122.800**

**PENSACOLA APPROACH        119.000**

**PENSACOLA ATIS                121.250**

**OSO Telephone            (850) 255 - 1128**

**PERFORMANCE**

**Max. crosswind ..... 11 KTS**

**Pilot weight limits:**  
including parachute weight

Minimum ..... 154lb / 70kg  
 Maximum ..... 242lb / 110kg

Empty weight ..... 573lb / 260kg  
 Max. Takeoff Weights:  
 w/ no ballast ..... 838lb / 380kg  
 w/ 22gal ..... 992lb / 450kg

Vne ..... 135 KIAS  
 Rough Air ..... 135 KIAS  
 Max. Gear ..... 135 KIAS  
 Max. Spoilers ..... 135 KIAS  
 Va ..... 92 KIAS  
 Max. Aerotow ..... 92 KIAS  
 Max. Winch ..... 64 KIAS  
 Vs0 ..... 32 KIAS  
 Vs1 ..... 36 KIAS

Min. Sink ..... 40 KIAS  
 Best L/D ..... 56 KIAS  
 Best Speed To Fly 65 KIAS

Tire pressures ... 36psi (2.5bar)

**SECURING CHECKLIST**

Radio ..... REMOVE  
 Transponder ..... OFF  
 Electric timer ..... OFF  
 Cushions ..... REMOVE  
 Water ballast ..... DRAIN  
 Cockpit area ..... CLEAN

Main & Tail Wheels ... ON SLABS  
 TE probe cover ..... INSTALL  
 Pitot tube cover ..... INSTALL  
 Tail tie-down ..... TIE  
 T-Tail control lock INSTALL  
 T-tail cover ..... INSTALL

Wing covers ..... INSTALL  
 Wing tie-downs ..... TIE  
 Checklist ..... REPLACE  
 Canopy cover ..... INSTALL