



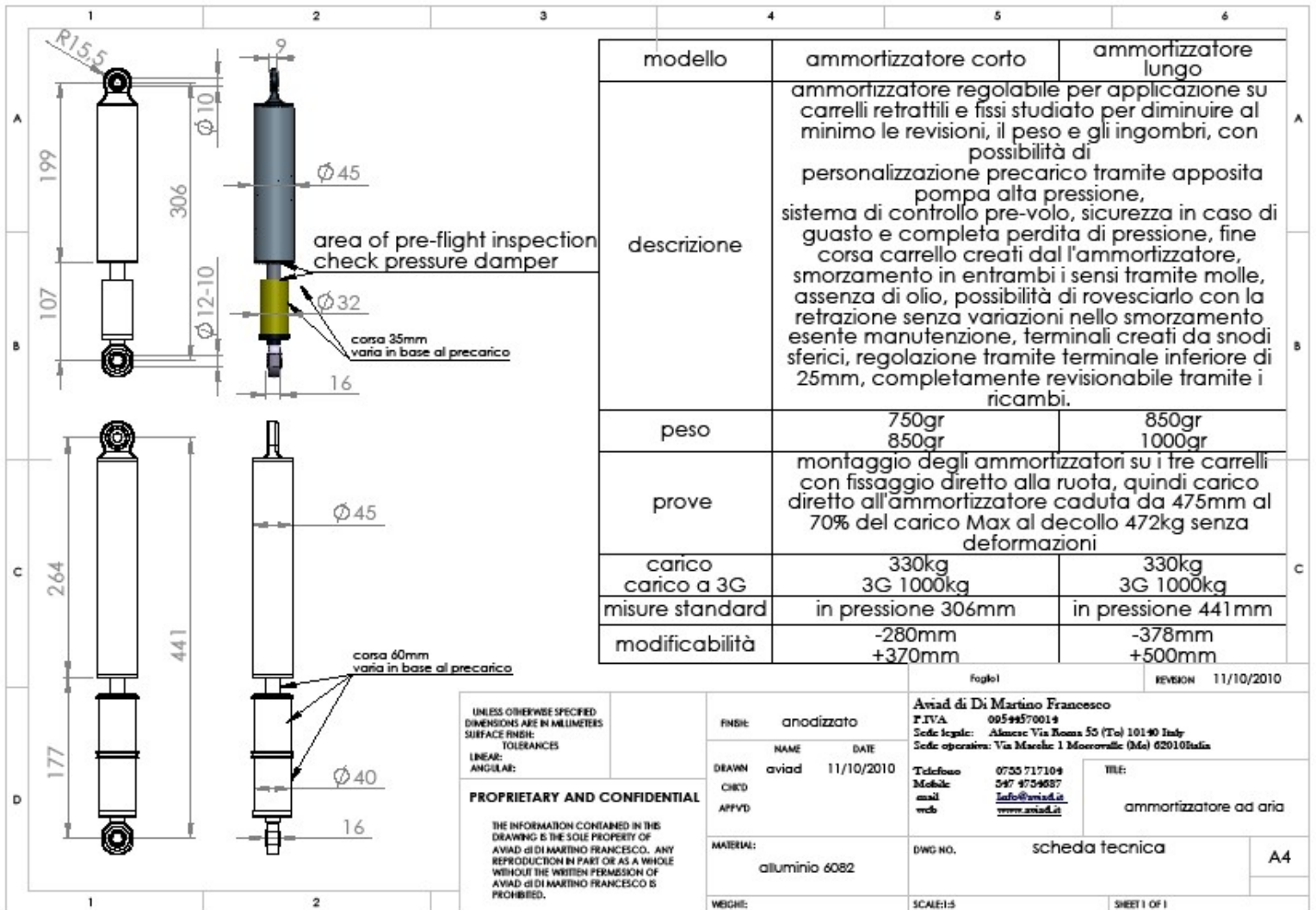
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## Manual installation shock absorber on Tecnam P92 P96 and P2002





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**Object:** replacement shock absorber on front nose leg with kit pneumatic shock Aviad.

**Description:** Shock Absorber pneumatic is designed and constructed to minimize weight and maintenance, it works as a limit stop in both directions via neoprene pads which avoid noises of the metallic type, the absence of oil simplify maintenance, the damping system is made by contraposition of rubber pads the air preload in the cylinder adjust the load admissible, the shock absorber use have double security which in the event of failure would prevent the propeller impacting the ground or wing damage from main landing gear the pre-flight checks are carried out visually checking the space between yellow pad and cylinder, about 20mm

**Check:** Recommended inspection of pressure through the pressure gauge supplied with the kit (pump) every two months, more frequently in case of daily use of the medium ES: school- trainer .

**Advantages:** adjustability of the front wheel static load, taxiing on uneven ground More comfortable and better amortized, reduced vibration and stress for the engine mount area



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and instruments.

Installation: estimated time 1 person 30 min

- 1.park the plane.
2. Raise the nose and recline on the tail.
3. remove the fairings on the nose leg.
4. remove the bolts supporting old buffer
5. check the wear longer bolts mounted on the cheeks aluminum, if present wear replace the bolts with new bolts of type 8.8.
6. create a space on bottom fairings like shown on the photo
7. apply new shock absorber lubricate the two terminals joints, check the bottom uniball and block with threadlocker if necessary.
8. Tighten bolts with nuts.
9. Check the pressure of 'shock min 5.5 bar to 12 bar
10. Place the plane on the nose wheel.
11. Adjust the pressure of shock absorber so that raise the nose and fall from 40 cm, the aircraft must be only one rebound. ( normally is better stay on soft regulation)
12. reassemble the aerodynamic fiberglass.



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