

Usernotes - Motor Mounts

Air Turbine Motors™ User Notes:

1. See previous notes regarding unrestricted, clean air supply and turn off air before installing your motor or cutting tool. Select a small size, speed rated cutting tool capable of evacuating chips at high speed.
2. Mount fixtures on indicated area (steel sleeve on aluminum 400 series motors) and not over bearings. Angular contact bearings available for drilling applications on some units.
3. If drilling rubber band stop the band completely before the motor descends to drill.
4. Outside Diameter Tolerance on 700 Series is h7 tolerance (0 / - 21µm). 700 Series units (except for the 725) are sealed with hose exhaust and suitable for lathe use/swiss automatic fixturing.
5. If you motor vibrates, is hot or makes a loud noise, disconnect and send for authorized distributor or factory service. Only use speed rated cutting tools and dry clean unrestricted air supply at 90PSI/ 6.2 BAR pressure.
6. Leave exhaust hose(s) in place to meet 700 Series dBa specifications.

See specifications and videos at www.airturbinetools.com

General Notes:

The following are abbreviated extracts from safety regulations. Read and comply with the full regulations.

1. Prior to inserting any cutting tool, check the RPM with a tachometer to insure that the actual speed does not exceed the rated speed. This check should be performed at least once every 20 hours of use, or once weekly, whichever is more frequent.
2. Always use OSHA approved eye and face protection.
3. Check to make sure the collet is fully tightened. Use wrenches provided.
4. Air pressure must not exceed 100PSI (7.2BAR).
5. Use only concentric speed rated cutting tools. If tool vibrates, do not use it.
6. Only operate tool in a protected area.
7. If unused for more than six months it is recommended to operate the motor for at least five minutes to avoid bearing grease deterioration.

Use good judgment. Remember, this is a powerful tool. Use with caution.

We would like to have the opportunity to answer any questions you may have concerning the safe operation and efficient use of Air Turbine Technology, Inc. products. Please contact us at the address below or telephone Air Turbine Tools® at 1-561-994-0500. Thank you for choosing Air Turbine Tools® , the tools of a new generation.