Name of Instrument: Tuba

**Range**

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**Most Used Range (written)**

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**Transposition**

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Register Characteristics:

- **Response Problems**: Takes lots of breath. High range is easiest when louder. Be careful of air requirements in the low range. In general, avoid fast technical passages. The notes below the low F are weak and less solid so try to avoid them.

- **Intonation Problems**: Lowest and upper register.

- **Fingering Problems**: Different fingerings for each tuba. Additional 4th valve lowers the fundamental a perfect 4th.

- **Other Comments**:
  1. Construction: Conical instrument.
  2. Has a mellow sound but can be powerful in its strongest register.
  3. Blends well with other instruments.
  4. Speaks somewhat sluggishly in the lowest register.
  5. Upper register is better given to the trombone.

Use in Ensemble: Bass. Produces a somewhat fuzzy, round tone. May be used to double the double bass or low winds.

Parts of Instrument:

- Deep, heavy
- Strong, most characteristic
- Quick, intense, not as characteristic

- Core
- Most used
- Sounds as written