# MDT 37
## Soft Dome Horn Tweeter

**FEATURES:**
- Large headroom aluminum voice coil
- High sensitivity
- Perforated cone
- High power handling
- Replacable dome/foil assembly
- Studied gold plated input tags

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**Specifications - MDT 37**

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**VOICE COIL**
- Voice Coil Diameter | Ø 29mm (1.1")
- Voice Coil Weight   | 2.7g (0.10oz)
- Voice Coil Former   | Aluminum
- Voice Coil Wire     | Headroom Aluminum
- Number of Layers    | 0
- DC Resistance       | 0.32 Ohm
- Voice Coil Inductance | LDB | 0.017 mH |

**MAGNET SYSTEM**
- Magnetic System Type | Ferrite
- Magnetic Gap/Height | H5 | 3.7mm (0.146") |
- Flux Density | B | 1.0 T |
- BL Product | ED5 | 3.8 mT |
- Nom. Linear Frequency | F |

**OPERATIONAL PARAMETERS**
- Suspension compliance | CMS |
- Mechanical D Factor | DMB |
- Electrical Q Factor | QE |
- Total Q Factor | QT |
- Mechanical Resistance | RM |
- Moving Mass | MMS | 0.45g |
- Equivalent Cone Air Load | VAS |
- Cover / Dome Material | Hard Treated Selected Fabric |
- Effective Radiating Area | S | 6.0 cmm |
- Net Weight | Kg | 1.50 Kg |

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This is an improved version of the well-established and highly regarded MDT 27.

The main improvements are the new horn, which is less deep and carefully optimized for this line tweeter.

The new design offers better off-axis response, improved dispersion and a 3 dB higher sensitivity above 3 kHz. A very fast and smooth frequency response. Studies grid polar input high as a test resistance filter mounted on the horn end, which is the center of the dome and coil assembly enabling a self-centering replaceable part for quick service.

The new chamber has also been modified to reduce the resonance frequency further and for a smoother, improved response. The internally damped chamber has been specially shaped to prevent back-reflecting waves and reflections.

Moreover, the headroom aluminum voice coil, the flexible wire termination and the very viscous headroom liquid deliver high power handling.

More important is the sound, which is clear, detailed with a fast transient response and excellent dynamics.

This tweeter is also available in a magnetically treated field-reduced, model 015B 37.