



1 Body made of 7000 aluminum alloy and brass, manufactured entirely by numerical control (CNC). This makes the structure very rigid with practically zero tolerances, yielding consistency of performance and maximum linearity of reproduction, free from any vibration and/or resonance.

2 O52 oversized, high quality neodymium magnet. This "motor" guarantees a perfectly linear response and constant magnetic flux over the entire working range of the tweeter, assuring an extremely linear and neutral response both at low and high volumes. A careful study supported by FEM analysis allowed us to design the metal parts of the magnet to maximize the flow exactly around the voice coil, and make it linear throughout its entire excursion. Ventilation is ensured by a large opening on the bottom, protected by a filter with calibrated holes. This solution also reduces the peak impedance to the resonance frequency, making the tweeter easier to interface with any passive crossovers.

3 A pure copper ring was added to reduce harmonic distortions.

4 The large 28 mm diameter voice coil is the best compromise between the lightness of the standard 25 mm coil and the great power management of 32 mm coils. This perfect combination of power and lightness is necessary for a tweeter that must reproduce frequencies in a linear and faithful way, even beyond the threshold of audibility.

5 The voice coil uses an aluminum support to better disperse the temperature.

6 Torcon® soft dome, an exclusive Polyphenylene Sulfide (PPS), with a high-performance fibers, offers superb heat resistance, low weight and excellent self-damping, resulting in a resonance-free frequency response over the audible frequency range.

7 To mount the tweeter, the installer can use the classic solution that ESB has recommended for decades: an aluminum threaded ring.

8 The faceplate of 8.028 model.

9 Light stainless still grill for dome protection.

10 The faceplate of 8.028S model (squared).

Speaker Type: Component Tweeter
 Nominal Diameter: 1.1"/28 mm
 Nominal Impedance (Znom): 4 Ohms
 Continuous Power Handling: 110 W
 Peak Power Handling: 220 W
 Rec. Amplifier Power: 40 - 150W (RMS)

PARAMETERS

Voice Coil Resistance (Re): 3.4 Ohms
 Free Air Resonance (Fs): 540 Hz
 Sensitivity: 91.0 dB @ 1W/1m
 94.0 dB @ 2.83V/1m
 Electrical "Q" (Qes): 0.928
 Mechanical "Q" (Qms): 0.744
 Total Speaker "Q" (Qts): 0.413

