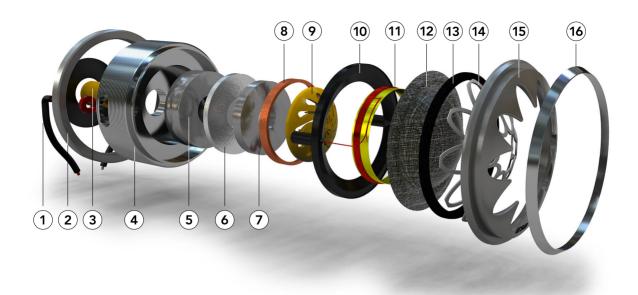


1.1"/28 MM HIGH-END SILK DOME TWEETER



- 1 Super flexible cables with high silver content to reduce electrical connection losses.
- 2 Aluminum thread fixing ring.
- 3 TCA System for back air flow control: reduces turbulence, noise, and controls the damping of the dome.
- 4 Pole cup CNC machined from a solid piece of ultra-low-carbon steel.
- **5** Main magnet in F52H neodymium, the best both for the magnetic force in relation to the mass, and for the high temperatures support (of 120° against the 80° of a "classic" neodymium magnet).
- 6 Magnet plate in ultra-low-carbon steel.
- 7 Secondary or superior magnet, used to stabilize and regulate the magnetic flux and concentrate it only in front of the voice coil, increasing efficiency, manageable power, distortion and bandwidth.
- **8** Pure copper ring helps reducing the inductance of the voice coil, so that it offers minimal resistance in high frequency reproduction. This means better high-frequency response, enabling the speaker to reproduce high-frequency sounds more accurately. Reducing inductance contributes to better handling of rapid transitions of audio signals. This can improve the speaker's ability to more accurately reproduce transient sound pulses.
- **9** FCA System: a special structure to control the flow of air moved by the dome, this creates a periodic damping resistance and implies that the release of the energy accumulated in the movement of the dome occurs in a controlled and fast manner, without create persistent oscillations. This contributes to a more precise and faithful response to the audio source and accuracy and the overall quality of the audio experience.

10 Butterfly.

- 11 Super light aluminum voice coil. It uses a high-strength aluminum alloy so as to be able to reduce its thickness and therefore its weight. The winding is also aluminum with the "skin" in pure copper. In this way a perfect combination of resistance and weight of the wire is obtained.
- **12** Pure Japanese silk dome resin impregnated with integrated suspension. This catenary profile dome is made in a single piece that also includes the suspension, this greatly reduces the weight allowing the tweeter to reach very high frequencies, and the absence of joints prevents break-up and/or vibrations.
- 13 Felt ring to eliminate any parasitic vibration.
- 14 Light stainless still grill for dome protection.
- **15** The faceplate haven't only an cosmetic function, but, working as an acoustic lens, its shape dramatically reduces side refractions, which is very unpleasant in a car installation where windows create harmful refractions.
- 16 Finishing stainless steel ring.





1.1"/28 MM HIGH-END SILK DOME TWEETER

GENERAL DATA

Overall dimension: 49 × 15 mm Nominal power handling (AES)*: 100 W Transient power*: 220 W

Sensitivity 1W/1m: 90 dB SPL Frequency response: 1400 - 25.000 Hz

*Nominal and transient power @ High Pass 2000Hz – 12db/Oct

ELECTRICAL DATA

Nominal impedance: 4Ω DC Resistance: 3.5Ω

Voice coil inductance (Lbm): $2.55\,\mu H$

VC AND MAGNET PARAMETERS

Voice coil diameter: 28 mm

VC former material: 7000 Aluminum Alloy

Number of layers: 2

Magnet system: Neodymium N52-H

T&S PARAMETERS

Mechanical Q factor (Qms): 1.903 Electrical Q factor (Qes): 1.217 Total Q factor (Qts): 0.742 Resonance frequency (Fs): 690 Hz

