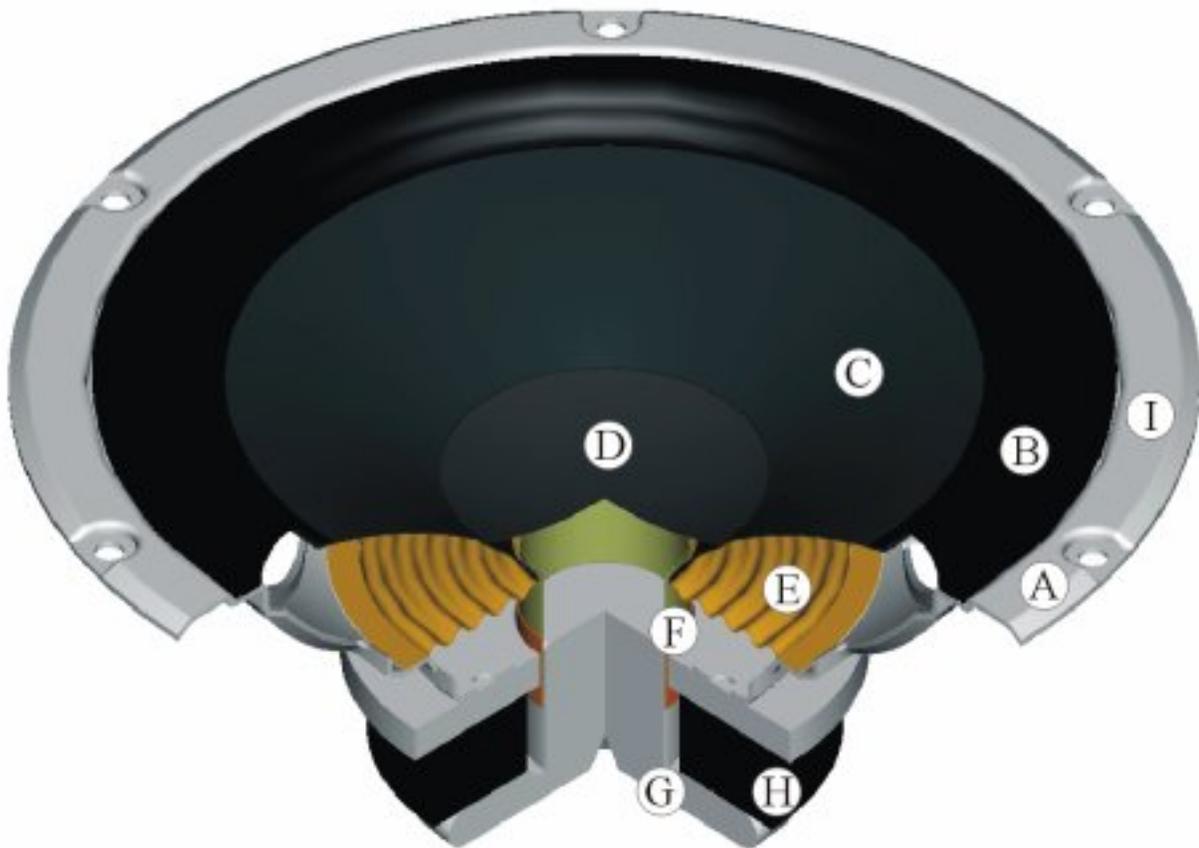


Architecture Notes: SDS Platform

A new class of midrange / midbass and bass drivers from Peerless.

The primary purpose with the SDS platform has been to incorporate features from Danish design, manufacturing and Quality Control into a cost effective product. With the new SDS basket Peerless have incorporated many of the features normally seen only in cast frames into a cost effective steel frame. In the SDS platform many different cone technologies are available from injected CD cones to coated paper and Nomex. The SDS platform will be available in the sizes 5" and 6".



A. Low profile front

The low profile front of the basket is chamfered so that no countersinking is necessary.

B. Rubber surround

For maximum durability and quality, all SDS cones are fitted with low loss rubber surrounds.

C. Various cones

For customization of the sound Peerless is able to supply cones in different configurations. The cost effective pressed and coated paper cone will give a crisp and forward sound with a lean dry bass reproduction. The injected CD cone with co-injected surround sounds richer in the bass reproduction, but still has a forward midrange reproduction. The Nomex cone is maintaining the rich bass reproduction of the CD, but the midrange reproduction is more relaxed and refined.

D. Inverted dustcap

The dustcap is inverted for the best possible termination of the cone. The recess in the cone results in a smooth transition from the cone to the dustcap without glue leaking out. Below the dustcap there are 6 venting holes in the cone, ensuring low compression under the dustcap.

E. Soft roll spider

The flat soft roll spider supports the cone movement and allows for more than 12mm (6") and 10mm (5") of cone travel.

F. Aluminum voice coil

The 26mm aluminum voice coil former ensures a very good heat dissipation of the voice coil during high power loads and reduces power compression. The high temperature wire stays in position even when the temperature reaches 250C (482F). For special applications requiring high mechanical Q, a Kapton voice coil former is available.

G. Trenched pole piece

The trenched pole piece allows for more cone movement and Finite Element Magnetic optimization ensures that the magnet flux is used to maximum.

H. Strontium ferrite magnet

The powerful Strontium ferrite magnet has been manufactured with high precision which results in narrow frequency response tolerances and low batch to batch variation.

I. Low compression basket

The design of the basket is an attractive curved shape, which allowed our designers to open up the basket much more than normally seen on a steel frame, without losing the strength. The low compression design also incorporates venting below the spider to further enhance the openness of the sound.