

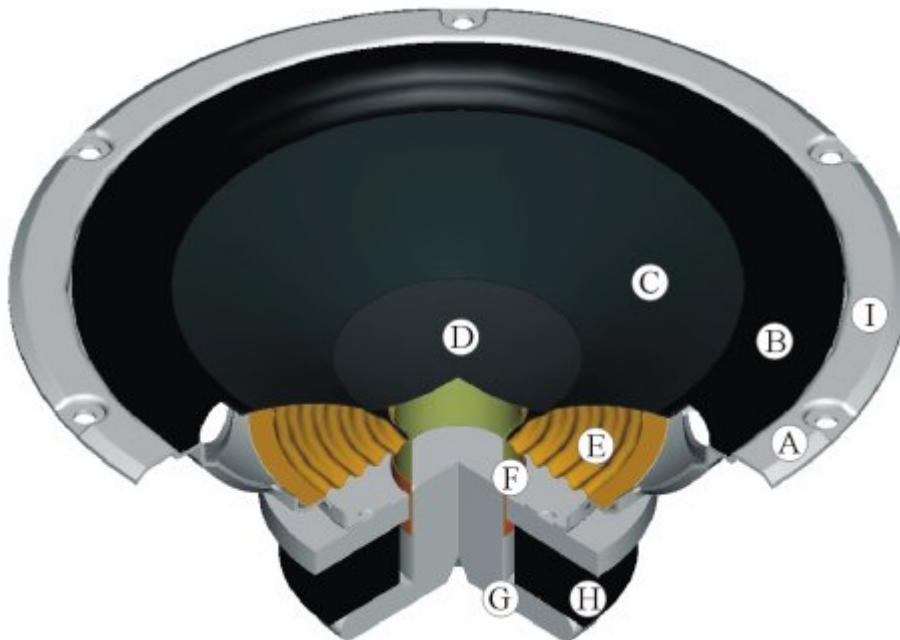


## SDS PLATFORM

**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 is available in 5" and 6½" sizes.



### **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  $\pm 12\text{mm}$  ( $6\frac{1}{2}''$ ) and  $\pm 10\text{mm}$  (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  $250^\circ\text{C}$  ( $482^\circ\text{F}$ ). 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.