

## 12SW1300Nd Pre-release Information Frankfurt 2009



### The SW1600Nd family with HELICEX® technology

The SW1600Nd family is a new generation of high power neodymium transducers that has been created for covering the most exigent professional applications. The core of the family lies in the HELICEX® cooling system, a patented technology that allows these units to reach uncommon levels of power handling by a single loudspeaker up to date.

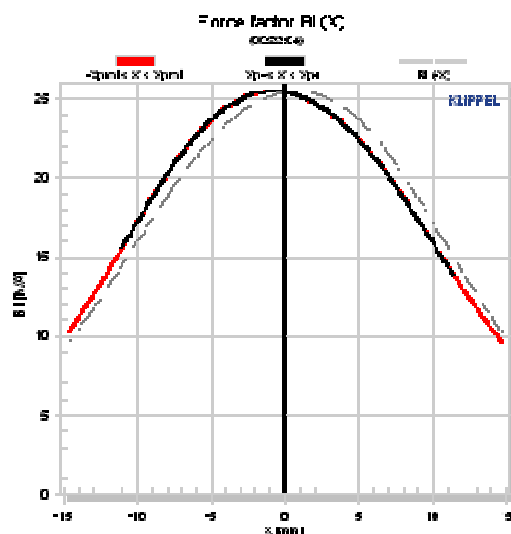
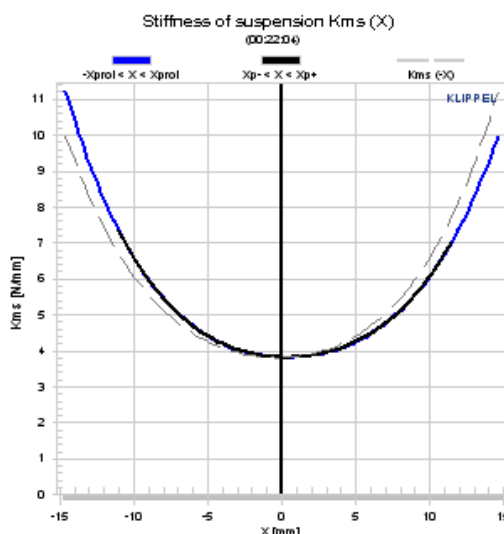
The first product where we applied this technology has been the 18SW1600Nd, a 18" subwoofer able to handle 1600 W AES with incredibly low power compression losses rates and a powerful and accurate low frequency response.

Now we are working to introduce in short a complete family sharing the same philosophy, features and performance in order to give a wider offer to the different application needs from the market.

### 12SW1300Nd

Among others, hereby you will find some of the main features of our new and unique 12" subwoofer:

- HELICEX® cooling system for a high efficiency thermal dissipation and, therefore, superior power handling capacity and lower power compression losses.
- CONEX spider which preserves the mechanical and physical properties of this component, even in the most extreme power conditions.
- 4" DUO inner/outer voice coil winding; ready to work in the most demanding mechanical conditions with high stability in big displacements and with an optimized thermal dissipation thanks to the HELICEX® technology.
- Spider and surround suspension designed as a whole (exclusive *MMSS technology*) for a symmetric and highly linear behaviour of the mobile assembly in long excursions, resulting in a low harmonic distortion level.



The new 12SW1300Nd is a subwoofer with an outstanding power handling capacity (1300 W AES) thanks to the HELICEX® technology and a superb low frequency response thanks to the studied and tested use of the best materials and components available today.

Designed for the most demanding professional applications in terms of power and also in terms of space. A compact and powerful solution with a very constant behaviour in SPL terms due to the low power compression losses.



### **12SW1300Nd Preliminary characteristics:**

- **HELICEX®** cooling technology
- **1300W AES** power handling capacity
- High sensitivity: **96 dB @ 2.83V**
- Low Resonant frequency: **45 Hz.**
- Extended controlled displacement: **Xmax ± 10 mm.**
- Massive mechanical displacement capability: **Xpp 60 mm.**
- **CONEX** spider.
- Designed with **MMSS technology** (Mechanical Mirror Suspension System)
- 4" **DUO** double inner/outer voice coil winding