



# Peerless



## Speakers Of Cutting Edge Technology

### BMW E30 DST AUSTRALIA CAR

The Danish Sound Technology Vehicle has started off to a great beginning in the Car Audio Australia Sound Quality Competition.

Winning in the Pro Show Category First Place and winning the Judges choice award. With a Scan-Speak Reference front stage and Peerless XLS Subwoofers this vehicle delivers amazing Dynamics, an in-credible Sound Stage and imaging with deep lows.

*More Info About the Car...*

The Danish Sound Technology Australia demonstration vehicle is one of the very few vehicles in this country that can claim to be in the Hi End car audio division.

This car was built with one and only purpose, to demonstrate the amazing potential of Danish Sound Technology speakers, especially Peerless and Scan-Speak. The design and installation has taken over four month to complete. The team at AutObarn Penrith have dedicated themselves to achieve the best sounding result possible. Every single detail of the installation has been carefully studied and executed with great attention to detail.

The aim was to achieve a sound system that will overcome the vehicle's acoustic problems and will reproduce music as close to the original recording as possible. All the products in this car represent the best of the best in the car audio industry. The heart of the sound system beats to the beats of Pioneer with it's amazing flag head unit and processor P9R and DEQ9. All the heart beats are transmitted by DAI-ICHI Super Conductor Quad Shielded RCA cables.

The signal is amplified by four two channel pure Class A Celestra full analogue J-Fett Amplifiers which were hand crafted in Italy. Twelve gauge Soundlink Cables are responsible for transmitting the amplified signal to the speakers. Although the Soundlink cables are heavily shielded OFC they are covered with tubing and wrapped in synthetic automotive electrical carpet to prevent any electrical distortion from the OEM wiring, the same procedure has been carried out with all sound system wiring.

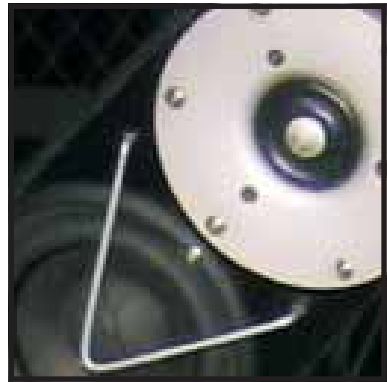
The jewel of the sound system lies in the front stage of the car. The three way Scan-Speak component system is by far the best the world has to offer. It's radiator tweeter is commonly used in it's eight ohm form in the most expensive home Hi End systems and it's very popular in the SOLIST speakers which retail for over sixty thousand dollars. As of 2004 the new phase plug design helped the REVELATOR to enter the Super Tweeter category. A field shared by only three other brands but none of them are available for the automotive environment.

The deep emotions of the systems are smoothly represented by the two Peerless ten inch XLS subwoofers which are taking the European market by storm, review after review more and more European car audio magazines state the XLS to be the smoothest and most responsive subwoofer ever built in the less than \$1000 range.

To feed the hunger for power a dry cell battery now happily resides in the boot of the car providing the system with a thousand cold cranking amps, together with dual four gauge Soundlink power cables they make sure that the system is always fully powered.

Micro computer is installed in the spare tyre compartment, powered by an Intel Pentium 4 processor and with direct satellite GPS it transforms the car into a mobile studio and an office at the same time. Real time sound field testing can be done at any time and place and to print the result all one has to do is to plug a printer in to the powered USB terminal installed in the center console. Or how about an e-mail on the go?

Although all of the above may sound interesting, words can not describe the sensation of listening to this car. To fully understand what Danish Sound Technology is all about, just ask for a demonstration!



Drivers that deliver Astonishing Sound Reproduction with Clarity and Outstanding Performance

	<b>RESOLUTION SERIES</b> Designed for outstanding sound quality and high SPL power handling.
	<b>DEFINITION SERIES</b> Engineered using the finest materials to produce a beautifully natural and undistorted sound stage.
	<b>RESOLUTION SERIES</b> Extra high power performance subwoofer.
	<b>XLS SERIES</b> The extreme subwoofer. Maximum performance in any application.
	<b>REFERENCE SERIES</b> The most accurate imaging and tonal depth possible.

scanspeak  
4-way sound technology  
Peerless  
automotive series  
Speakers Manufactured in Denmark

**DST OZ CAR WINS IN CASSO PLATINUM EVENT**

AWARDED FOR:  
**PRO SHOW CLASS 1ST PLACE  
JUDGES CHOICE AWARD**

CLICK HERE FOR MORE INFORMATION

Ask your local leading Car Audio Installation Outlet about Peerless and DST

<http://www.d-s-t.com.au/caraudio/>





# Peerless



Made in Denmark

## Speakers Of Cutting Edge Technology

### PEERLESS AUTOMOTIVE SPEAKER RANGE

**NEW! PEERLESS CAR AUDIO SPEAKERS**  
 Advances in materials and manufacturing techniques give rise to a new world of car audio performance. Peerless of Denmark have recently advanced their range into Premium Quality Automotive Audio. Boasting exceedingly robust and well-built units giving exceptional audio as expected from Europe.



**Component System** offers superior audio quality and greater installation positioning flexibility.

**Light-weight** by use of exotic materials, yet maintaining high performance and power handling.

**Easy-Install** various screw holes for the mid-woofers and several mounting options for the dome tweeter. Templates and all mounting hardware is supplied.



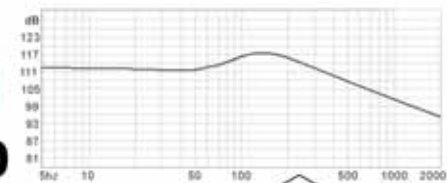
### SUBWOOFER 10" [ RESOLUTION Series ]

Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→400Wrms  
 Sens. 90dB  
 Imp. 3.5Ω (DC)  
 Fs 30Hz  
 Qts 0.33  
 Vas 40.6L  
 BL 14.4 NA  
 M/Mass 107g  
 Coil 50mm  
 Cms 0.26mm/N  
 Xmax 10.2mm  
 P822007



Sealed box, 14 liters in car simulation (dB SPL at 1m) with 300Wd



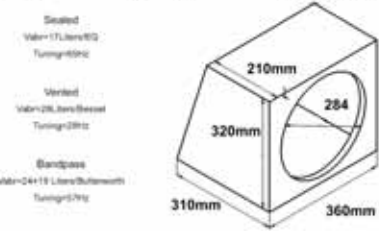
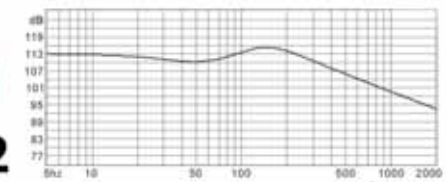
### SUBWOOFER 12" [ RESOLUTION Series ]

Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→400Wrms  
 Sens. 91.5dB  
 Imp. 3.5Ω (DC)  
 Fs 25Hz  
 Qts 0.33  
 Vas 99.7L  
 BL 14.8 NA  
 M/Mass 139g  
 Coil 50mm  
 Cms 0.29mm/N  
 Xmax 10.2mm  
 P822008



Sealed box, 17 liters in car simulation (dB SPL at 1m) with 300Wd



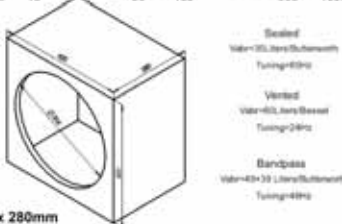
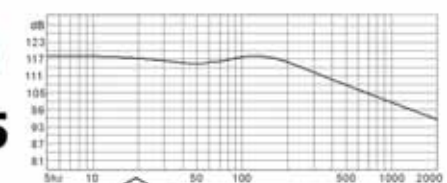
### SUBWOOFER 15" [ RESOLUTION Series ]

Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→1000Wrms  
 Sens. 92.3dB  
 Imp. 3.2Ω (DC)  
 Fs 22.3Hz  
 Qts 0.34  
 Vas 183.9L  
 BL 17.7 NA  
 M/Mass 255g  
 Coil 65mm  
 Cms 0.20mm/N  
 Xmax 11.4mm  
 P822009



Sealed box, 34 liters in car simulation (dB SPL at 1m) with 300Wd




**[ DEFINITION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 3Ω  
 Non-resonant Glass resin basket  
 Fibrous pulp cone doped with AG resin  
 Long exertion Butyl rubber surround  
 Anodized aluminium voice coil former  
 1" Textile dome neodymium tweeter  
 Flush mount kit & Angle mount kit  
 Premium multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [D5 or D6]

**5" STEREO SET**  
 130mm(115mm Hole)  
 57mm mount depth  
 70Wnom 140Wmax  
 60Hz → 22KHz  
 P822000  
 a set.

**D5**

**P822000 (5")**
**[ DEFINITION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 3Ω  
 Non-resonant Glass resin basket  
 Fibrous pulp cone doped with AG resin  
 Long exertion Butyl rubber surround  
 Anodized aluminium voice coil former  
 1" Textile dome neodymium tweeter  
 Flush mount kit & Angle mount kit  
 Premium multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [D5 or D6]

**6" STEREO SET**  
 165mm(146mm Hole)  
 68mm mount depth  
 80Wnom 160Wmax  
 50Hz → 22KHz  
 P822001  
 a set.

**D6**

**[ RESOLUTION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 4Ω  
 Steel stamped basket. Ventilated voice coil.  
 Mineral filled Polypropylene mid-woofer.  
 Long exertion NBR rubber surround  
 Attractive black metal speaker grills  
 1" soft dome compact neodymium tweeter  
 Adjustable tweeter attenuation (x3)  
 Compact multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [R5 or R6]

**5" STEREO SET**  
 130mm(117mm Hole)  
 58mm mount depth  
 90Wnom 180Wmax  
 55Hz → 20KHz  
 P822002  
 a set.

**R5**

**[ RESOLUTION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 4Ω  
 Steel stamped basket. Ventilated voice coil.  
 Mineral filled Polypropylene mid-woofer.  
 Long exertion NBR rubber surround  
 Attractive black metal speaker grills  
 1" soft dome compact neodymium tweeter  
 Adjustable tweeter attenuation (x3)  
 Compact multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [R5 or R6]

**6" STEREO SET**  
 165mm(141mm Hole)  
 62mm mount depth  
 100Wnom 200Wmax  
 45Hz → 20KHz  
 P822003  
 a set.

**R6**

**P822003 (6")**



# Peerless



## Speakers Of Cutting Edge Technology

### 10" XLS & XXLS SUBWOOFERS

**A new class of subwoofers from Peerless.**  
By introducing the new range of Xpanded Xtra Long Stroke (XXLS) subwoofers, Peerless has pushed the performance limits for subwoofers. The XXLS/subwoofer range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. In the design the emphasis has been put in achieving extreme deep bass, long time reliability, high power handling, and very low distortion - also under very large sound pressures.

**A. Aluminum Spacer**  
The aluminum spacer serves as heat sink for the coil to reduce power compression.

**B. Black Anodized Voice Coil**  
The 2-inch voice coil is wound on thick black anodized aluminum for improved heat dissipation.

**C. Stacked Magnet System**  
The twin stacked magnetic system is optimized by FEA (Finite Element Analysis), to create a symmetric powerful magnetic field in the air gap, and provide space for the 50 mm max excursion of the voice coil.



### XLS & XXLS

**D. Distortion Reduced Motor**  
A long multi layer voice coil normally results in high self induction and impedance varying with excursion. Its many ampere turns react on the magnetic field in the air gap. These two main factors causing motor distortion in subwoofers are practically eliminated by the combined impact of the Aluminum Short Circuiting Ring (D) and the Aluminum Spacer (A) on the pole piece. At the same time they both contribute as heat sinks for the voice coil, reducing power compression. The result is unbelievable clean bass reproduction.

**E. Vented Cone**  
To eliminate compression under the dust cap the cone is vented by 8 large holes. This way the coil is cooled and there is no need for a bore in the pole piece.

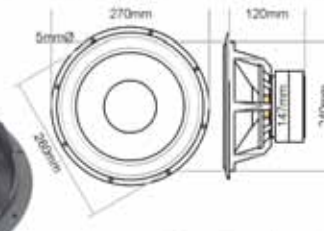
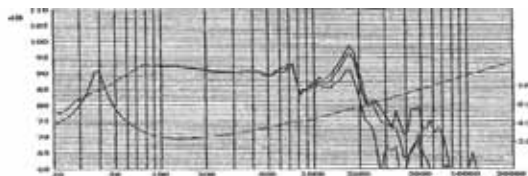
**F. Nomex Spider**  
The spider is made of high tech Nomex material. This material is chosen for its high rigidity and long term stability. The suspension will stay in shape for a very long time under heavy load.



### 10" XTRA-LONG-STROKE 4Ω (2½Ω)

Design principals & the latest materials in the XLS range have achieved a new generation of low-frequency transducer. This range of subwoofers will pound the competition in both low frequency muscle and accuracy. A low Vas means a small box. For car applications this can be very small. Double magnet. Cast Al frame. Ventilated coil. Suit sealed/vented/passive.

- P/No. 269 SWR 51 147 NX 4L ALP 4Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Revc 2.4Ω (@133Hz)
- Fs 39.4Hz
- Sens' 92.2dBm
- Qms 6.37
- Qes 0.42
- Qts 0.39
- Vas 21.4L
- P830514

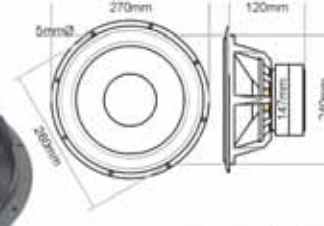
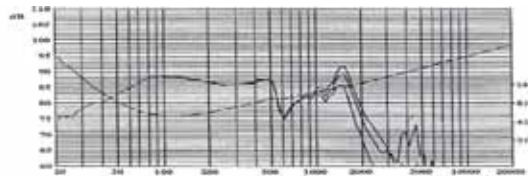


Please allow for manufacturing tolerances. (Aggrav. = ±1%)  
It is recommended that you double check your order before the item ships.  
For data sheets visit [www.wescomponents.com](http://www.wescomponents.com) or call 02-97979866

### 10" XTRA-LONG-STROKE 8Ω (5Ω)

This is a new range from Peerless to suit the unlimited demands of bass hungry enthusiasts in home or automotive audio. Emphasis has been placed in design to achieve extremely deep bass, long time reliability, high power handling and very low distortion or compression under very large sound pressures. Suitable for sealed or vented box or passive radiator.

- P/No. 269 SWR 51 147 NX ALP 4L XLS 8/5Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 53.3Ω (4.9Ω@115Hz)
- Fs 18.9Hz
- Sens' 88.4dBm
- Qms 2.63
- Qes 0.18
- Qts 0.17
- Vas 80.2L
- P830452



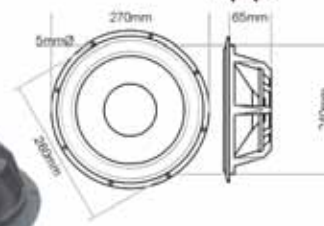
Please allow for manufacturing tolerances. (Aggrav. = ±1%)  
It is recommended that you double check your order before the item ships.  
For data sheets visit [www.wescomponents.com](http://www.wescomponents.com) or call 02-97979866

### PASSIVE RADIATOR 10" XTRA-LONG-STROKE

Identical speaker to the 10" XLS drivers (left) but without a magnet and the voice coil has been replaced with a weight. You can fine tune this mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Passive radiators replace the port by adding a mass equivalent to the volume of air in a 10" tube. This eliminates air velocity noises and enables very low tuning F without ridiculously long or narrow port dimensions. Suit small enclosures. Suit home theater/audio. [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) for data sheets and box sizes suggestions.

- Fs 11.2Hz
- Qms 14
- Vas 80L
- Cms 0.508mm/N
- Rms 2Kg/s
- Mms 400g
- Sd 333cm²
- Xmax 22mm
- P830481

**PRODUCE SUBSONIC FREQUENCIES**  
**REDUCE CABINET VOLUME**  
**ELIMINATE PORT NOISE**



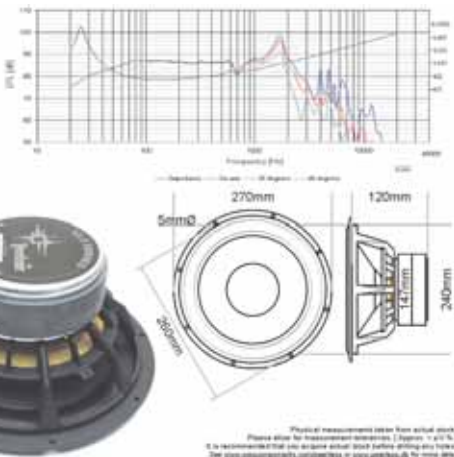
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For data sheets visit [www.wescomponents.com](http://www.wescomponents.com) or call 02-97979866



### 10" XPANDED-XTRA-LONG-STROKE 8Ω

Xpanded Xtra Long Stroke subwoofers push the envelope to the extreme! This 10" driver is optimised for tuning in a small sealed enclosure. This range will fulfill every demand for deep clean bass reproduction like active THX home theatre and also automotive subwoofer applications. A very good choice for high quality compact sealed for smooth roll-off.

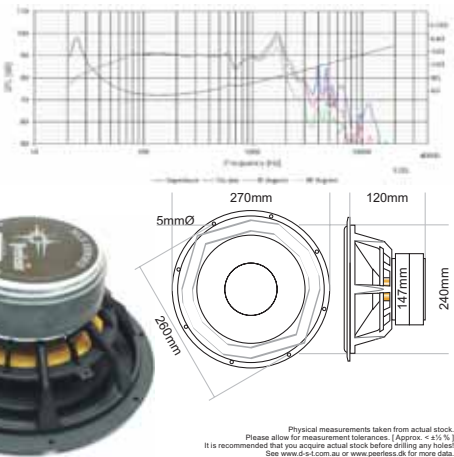
P/No. 269 SWR 51 147 NWP ALP 4L XXLS 8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 118.5Ω (6.7Ω@133Hz)  
 Fs 25.0Hz  
 Sens' 87.2dBm  
 Qms 9.03  
 Qes 0.47  
 Qts 0.44  
 Vas 86.7L  
 P830843



### 10" XPANDED-XTRA-LONG-STROKE 4Ω+4Ω

Dual voice coils for excellent automotive amplifier connection flexibility with exceptional power control for multi-driver & multi-amplifier setups. Beware! This hungry driver is as low as 1.2 ohms DC wired in parallel!

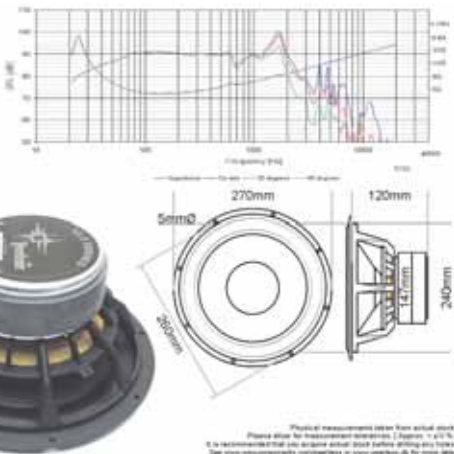
Specifications below are measured with the coils wired in parrallel.  
 P/No. 269 SWR 51 147 NX 4L ALP 4+4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 30.6Ω (1.7Ω@137Hz)  
 Fs 33.9Hz  
 Sens' 93.3dBm  
 Qms 9.63  
 Qes 0.39  
 Qts 0.38  
 Vas 25.6L  
 P830563



### 10" XPANDED-XTRA-LONG-STROKE 8Ω+8Ω

Dual voice coils for connection flexibility like using one woofer in a home-stereo satellite setup. Optimised for tuning in a vented enclosure, keeping port velocities and box volumes to a minimum. A ported box of 48 litres tuned to 27Hz (450x90mmØ Port) gives 32.6Hz. Specifications below are measured with the coils wired in parrallel.

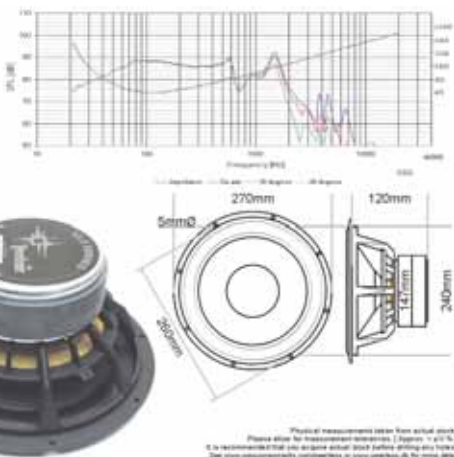
P/No. 269 SWR 51 147 NWP ALP DVC XXLS 8+8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 71.5Ω (3.1Ω@133Hz)  
 Fs 24.3Hz  
 Sens' 91.0dBm  
 Qms 9.24  
 Qes 0.34  
 Qts 0.33  
 Vas 81.8L  
 P830846



### 10" XPANDED-XTRA-LONG-STROKE 4Ω

The new range of Xpanded Xtra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically bullet-proof, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

P/No. 269 SWR 51 147 NWP ALP 4L XXLS 4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 122.5Ω (3.9Ω@100Hz)  
 Fs 19.2Hz  
 Sens' 88.4dBm  
 Qms 8.74  
 Qes 0.19  
 Qts 0.19  
 Vas 88.4L  
 P830842





# Peerless



## Speakers Of Cutting Edge Technology

### 12" XLS & XXLS SUBWOOFERS

**A new class of subwoofers from Peerless.**  
By introducing the new range of Xpanded Xtra Long Stroke (XXLS) subwoofers, Peerless has pushed the performance limits for subwoofers. The XXLS/subwoofer range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. In the design the emphasis has been put in achieving extreme deep bass, long time reliability, high power handling, and very low distortion - also under very large sound pressures.

**G. Rubber Surround**  
The surround is made from SBR rubber because of the wide operating temperature, low creep and long term reliability.

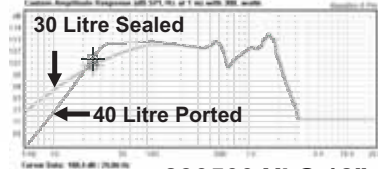
**H. Fiber Composite Cone**  
The cone is molded from a propriety air dried wood free pulp with a blend of Nomex and glass fibers bonded together by deep impregnation with polymers. The blend also contains special material in order to make the cone Waterproof.  
This creates an ultra stiff and relatively light cone that will stay stable even under very large sound pressures.



# Peerless

### XLS & XXLS

**I. Rigid Cast Aluminum Basket**  
The rigid cast basket with an aerodynamic profile provides the necessary sturdy base for the magnet structure and suspension and allows for the 50 mm max excursion of the cone. The spider is ventilated to achieve the lowest possible compression and allow air to flow freely to create a cooling effect for the voice coil.

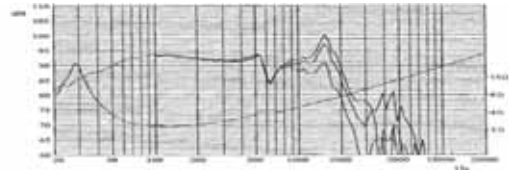
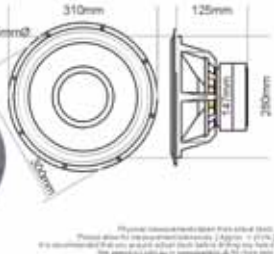


830500 XLS 12"

### 12" XTRA-LONG-STROKE 4Ω (2.2Ω!)

Ballistic performance driver tweaked for use in car audio applications giving you advantages that will annihilate the competition. Specifications are best suited for small enclosure systems with very, very high current output amplifiers (**2Ω rated amp required**). Very clean. Very smooth. Double magnet. Cast iron frame. Gold 4mm binding posts. Massive sound.

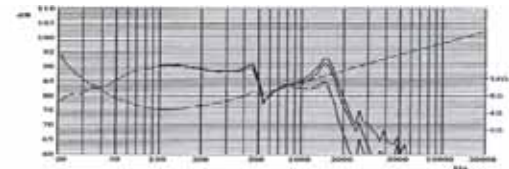
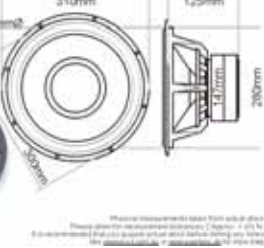
- P/No. 308 SWR 51 147 NX ALP 4L XLS 4Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 28.9Ω (2.2Ω@115Hz)
- Fs 28.2Hz
- Sens' 93.5dBm
- Qms 4.81
- Qes 0.32
- Qts 0.30
- Vas 80.5L
- P830515



### 12" XTRA-LONG-STROKE 8Ω (4.7Ω!)

XLS subwoofers will suit unlimited demands of bass hungry enthusiasts in home theater and audio. Emphasis has been placed in design to achieve extremely deep and accurate bass, reliability, high power handling and very low distortion & compression even under very large sound pressures. Double magnet. Cast iron frame. Gold 4mm binding posts. Home or Car.

- P/No. 308 SWR 51 147 NX ALP 4L XLS 8/5Ω
- Pwr 300Wrms
- Coil 51mmØ
- Mag 2.4Kg (1.04T) 147mmØ
- Zo 64.2Ω (4.7Ω@106Hz)
- Fs 18.1Hz
- Sens' 90.6dBm
- Qms 3.70
- Qes 0.21
- Qts 0.20
- Vas 136.8L
- P830500



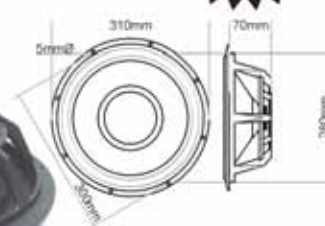
### PASSIVE RADIATOR 12" XTRA-LONG-STROKE

Identical speaker to the XLS subwoofer driver but without a magnet or voice coil. You can fine tune the mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Eliminate air velocity noises and achieve very low tuning F without ridiculously long or narrow port dimensions. Best matched with 12" XLS driver for a box volume of 40 to 50L (17Hz) Note: actually too low for the car, unless you want to impress people outside the vehicle (produces 50ft wave lengths!).

- Mass 425g
- Fs 10.4Hz
- Qms 15.2
- Vas 169.6L
- Cms 0.55mm/N
- Rms 1.8Kg/s
- Mms 425g
- Sd 466cm<sup>2</sup>
- Xmax 24mm
- P830548



PRODUCE SUBSONIC FREQUENCIES  
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**ELIMINATE PORT NOISE**

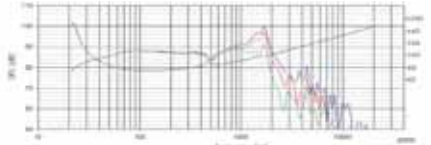
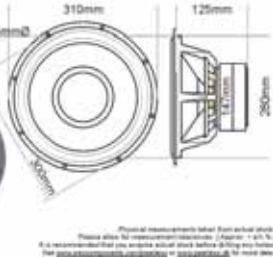




### 12" XPANDED-XTRA-LONG-STROKE 8Ω

Xpanded Xtra Long Stroke subwoofers push the envelope to the extreme! This 10" driver is optimised for tuning in a small sealed enclosure. This range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. A very good choice for high quality compact sealed for smooth roll-off.

- P/No. 308 SWR 51 147 NWP ALP 4L XXLS 8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 126.7Ω (6.7Ω@109Hz)  
 Fs 21.5Hz  
 Sens' 88.0dBm  
 Qms 9.68  
 Qes 0.47  
 Qts 0.45  
 Vas 162.5L  
 P830845

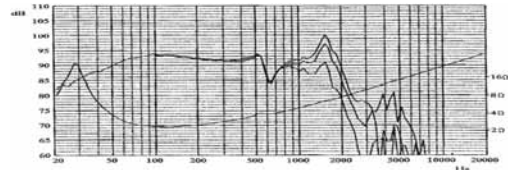
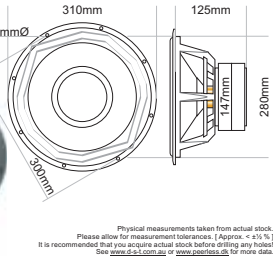


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 5\%$ ) It is recommended that you acquire actual stock before driving any loudspeaker. See [www.peerless.dk](http://www.peerless.dk) for more data.

### 12" XPANDED-XTRA-LONG-STROKE 4Ω+4Ω

Dual voice coils for excellent automotive amplifier connection flexibility with exceptional power control for multi-driver & multi-amplifier setups. Beware! This hungry driver is as low as 1.2 ohms DC wired in parallel!

- Specifications below are measured with the coils wired in parallel.  
 P/No. 308 SWR 51 147 NX ALP 4L XLS 4+4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 15.8Ω (1.5Ω@126Hz)  
 Fs 48.8Hz  
 Sens' 94.9dBm  
 Qms 8.06  
 Qes 0.66  
 Qts 0.61  
 Vas 20.4L  
 P830564

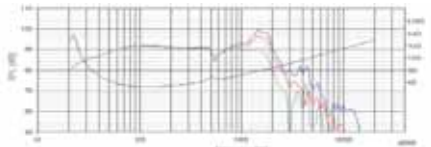
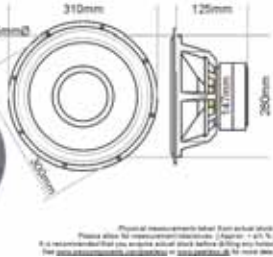


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 5\%$ ) It is recommended that you acquire actual stock before driving any loudspeaker. See [www.peerless.dk](http://www.peerless.dk) for more data.

### 12" XPANDED-XTRA-LONG-STROKE 8Ω+8Ω

Dual voice coils for exceptional power control & multi-driver setups. This driver has been optimised for tuning in a vented enclosure with consideration to keeping port velocities and box volumes to a minimum. A ported box of 58 litres tuned to 24Hz (480x90mmØ Port) gives 33.8Hz. Specifications below are measured with the coils wired in parallel.

- P/No. 308 SWR 51 147 NWP ALP DVC XXLS 8+8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 72.0Ω (3.0Ω@115Hz)  
 Fs 21.8Hz  
 Sens' 92.0dBm  
 Qms 10.24  
 Qes 0.37  
 Qts 0.36  
 Vas 144.2L  
 P830847

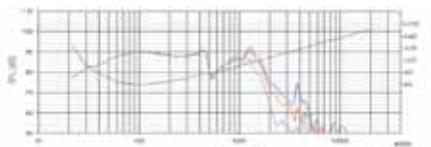
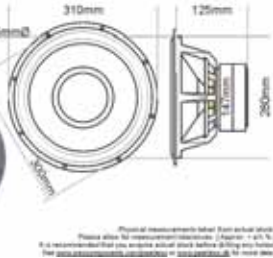


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 5\%$ ) It is recommended that you acquire actual stock before driving any loudspeaker. See [www.peerless.dk](http://www.peerless.dk) for more data.

### 12" XPANDED-XTRA-LONG-STROKE 4Ω

The new range of Xpanded Xtra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically bullet-proof, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

- P/No. 308 SWR 51 147 NWP ALP 4L XXLS 4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 119.4Ω (3.8Ω@97Hz)  
 Fs 17.7Hz  
 Sens' 90.3dBm  
 Qms 8.21  
 Qes 0.20  
 Qts 0.20  
 Vas 156.5L  
 P830844



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 5\%$ ) It is recommended that you acquire actual stock before driving any loudspeaker. See [www.peerless.dk](http://www.peerless.dk) for more data.