

# DOORBOARDS & SOUNDSYSTEMS 2013

**AUDI**

**BMW**

**MINI**

**MERCEDES**

**PORSCHE**

**SMART**

**VW**

**OPEL**

**PEUGEOT**

**RENAULT ...**



# DESIGN ELEMENTS FOR THE CAR INTERIOR

... the series



... the vision



... the solution



- ← GREAT AMBIANCE
- ← HIGH-QUALITY MATERIAL
- ← TOP LEVEL CRAFTMANSHIP
- ← EXCLUSIVE DETAILS



# COMPETENCE

## ...IN SOUND

To satisfy higher demand for sound and for significant sound improvement it is not enough to just replace the speakers. Acoustically the right location and individual tuning is important for a good sound result.

Uniquely in the aftermarket **JEHNERT** Sound Design develops and produces car specific crossover- networks.

## ...AND DESIGN

By nature of their design space is very limited. The solution required for the installation of several speakers must be more sophisticated than the conventional methods applied in automotive acoustics.

**JEHNERT**-doorboards are unique in their construction and design. Design lines and details of the car interior are kept in style and continued in the construction materials. Elegant design and fine visual appearance noble optics make the sound modules fit perfectly to the optics of the vehicle interior.

With their minimal footprint and low profile they realise an optically smooth and beautifully shaped integration of a complete speaker system.



# MATERIAL OF HIGH QUALITY

## Individual covering material

Our own saddlery puts every effort to meet the high demands of our customers regarding high quality materials and a perfect finish. Special colours, artificial or genuine leather up to ornamental seams are provided individually according to your wishes.

- artificial leather
- genuine leather, individual with ornamental seams
- carbon-, kevlar-, aluminium-, or wood-optics
- coloured painting/lacquering

## Standard version

The Doorboards are covered with original or optically corresponding artificial leather. See the price list for the standard colour contained in the scope of supply. Special colours and genuine leather cover are also available on request for an extra charge. The loudspeakers are covered completely invisible with flush joint grills and thus offer optimal protection against damage and theft. The grills are covered with durable and light-resistant acoustics cloth.

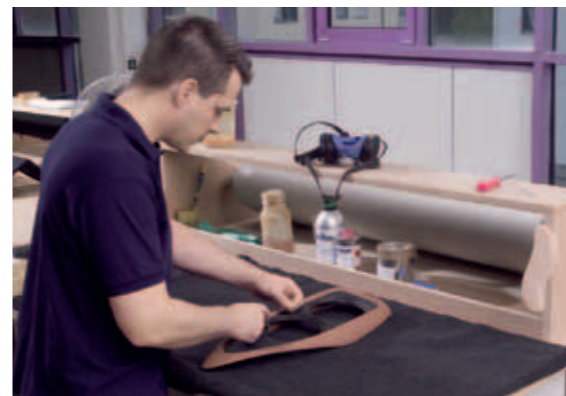


# PRECISE WORKMANSHIP

## Exact fit - guaranteed ! ... from model to series

Every new model of a doorboard originates from a real installation in the car. The first model for tooling is made ready to fit in our own model workshop with high workmanlike perfection. Series production only begins after the installation of a first sample in a vehicle.

Every doorboard in series production is precisely prepared for the saddlery work and checked again for a perfect fit on the original doorlining. More than 80 original doorlinings for different car models guarantee a **100% fit**.



- low weight at a high degree of stability ☞
- high corrosion resistance ☞
- excellent forming ☞
- high safety degree ☞

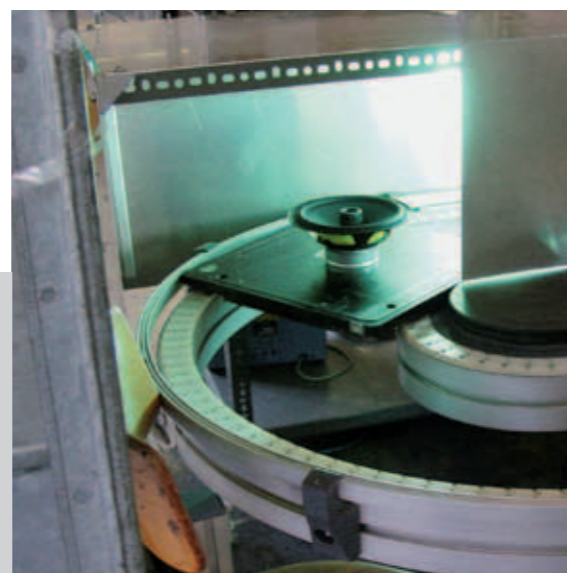
## Material and safety

JEHNERT – doorboards are made of **GRP** (glasfibre reinforced plastic) exclusively. GRP stands for low weight, high degree of stability and high corrosion and weather resistance. Since GFK breaks off bluntly the car doors are not endangered by heavy surface mounted parts or humidity.

# SOUNDS OF SUCCESS

QUALITY MADE IN GERMANY

**JEHNERT**-speakers are subject to continuing development in sound and technique. Over the years this has resulted in speakers with excellent sound results in in-car entertainment acoustics.



**JEHNERT Soundsystems guarantee:**

- very high quality
- a maximum of stability underload
- acoustic customization

The acoustic frequency response customization:

#### ***Sound field – car interior:***

Generally, the given acoustic conditions in a vehicle are unfavourable, moreover they are different in each type of car. The limited interior space, its form and the materials used, lead to car-specific deflections for example impairing the sound transmission and its reproduction.

Even high quality loudspeakers are compromised in their performance and sound quality, if the interior acoustic environment is ignored. It is dependent on the crossover design to make use of the acoustic properties of the driver.

#### ***Sound image:***

extensive measurement studies yield the decisive parameters for perfect sound. It is the sensitive precision work of developing crossover networks, for which no standard calculation formulas does exist.

# THE SECRET OF A GOOD SOUND

The acoustic customization is performed in two steps:

#### ***The „electronic“ adaptation:***

After installing the speakers in the car, the frequency response in the hearing position is evaluated via a test signal. Hereby frequency response deficiencies are identified. Through a highly developed measuring technique the sound emission angle of the loudspeakers, possible wiring schemes and parameters are tested and determined.

#### ***The adaptation through „hearing tests“:***

In the end the trained ear is the most sensitive judge of a harmonic sound tuning. The acoustic finetuning of the theoretical calculations and the correction of the residual transmission errors is therefore performed by longlasting hearing tests.

#### ***Sound quality:***

High-quality electronic components and a precisely defined network guarantee excellent sound results and positive assessments by the professional press.



XE 26



### 26mm (1") Neodymium Dome tweeter

Universal installation options: choice of surface or built-in housing or for direct installation - without housing - into factory cut-outs • 26 mm (1") Hifi fabrics dome driver with protective grill and loudspeaker cable for easy and safe connection • powerful Neodymium-magnet driver and ferrofluid cooled voice-coil warrant high efficiency and high power handling • exact and very balanced high range reproduction • crisp high-range playback and excellent dispersion range

XE 26 V



### 26mm (1") High-End Neodymium Dome tweeter

26mm softdome tweeter with Neodymium magnet and additional volume to reduce the resonance frequency to 800 Hz • the result is a much richer sound performance in the upper midranges • the frequency response of this tweeter is absolutely outstanding

XM 110



### 100mm (4") High-End midrange driver

Bayonet assembly ring for front mounting or rear mounting • very stable and rigid polypropylene membrane to avoid resonance vibration • high resistance to light and aging • durable solid rubber surround • due to low mass motion absolute impulse fidelity in a very wide frequency range

XE 100



### 100mm (4") midrange driver

High-tech paper cone with surface sand coating to avoid cone resonances • the rubber surround has been designed for extreme movements and longevity • a 26mm voice coil with an aluminium voice coil former guarantees a high power handling

XL 112



### High-End COAX system

100mm (4") mid-range driver with polypropylene membrane to avoid natural oscillation • 26 mm (1") softdome tweeter with protective grill, aluminium voice coil for effective acoustic pressure rise and more dynamic frequency response • absolutely separately controllable • especially in the front range crystal clear reproduction of high frequency sounds without sharp edges or negative resonances in the midrange

#### Technical specifications:

Speaker	XE 26	XE 26V	XM 110	XE 100	XL 112
Nominal power handling	300 Watt (@4.0 kHz)* 12 db	300 Watt (@2.500 kHz)* 12 db	200 Watt (@200 kHz)* 6 db	200 Watt (@200 kHz)* 6 db	200 Watt (@200 kHz)* 6 db
Peak power handling	400 Watt (@4.0 kHz)* 12 db	400 Watt (@2.500 kHz)* 12 db	300 Watt (@200 kHz)* 6 db	300 Watt (@200 kHz)* 6 db	300 Watt (@200 kHz)* 6 db
Frequency response	1.500–25.000 Hz*	800–25.000 Hz*	80–9.000 Hz*	89–8.900 Hz	100–22.000 Hz*
Impedance	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω
Sensitivity (1W/1m)	89 db	90 db	87 db	91 db	88 db
VAS	–	–	2,0 l	2,0 l	2,0 l
Fs	1.500 Hz	400 Hz	80 Hz	89 Hz	90 Hz
QMS	–	–	2.87	3.10	3.02
QES	–	–	0.55	0.59	0.59
QTS	–	–	0.46	0.50	–
Voice coil diameter	25 mm	25 mm	25 mm	25 mm	25 mm
Magnetic material	Neodymium	Neodymium	Ferrite	Ferrite	Ferrite
Chasses-Diameter	54 mm	54 mm	100 mm	101 mm	100 mm
Mounting Depth	15 mm	22 mm	52 mm	52 mm	50 mm
Mounting Diameter	35 mm	35 mm	90 mm	94 mm	93 mm

\* values with crossover

### 130mm (5") low midrange driver

High-tech paper cone with surface sand coating to avoid cone resonances • the rubber surround has been designed for extreme movements and longevity • a 26mm voice coil with an aluminium voice coil former guarantees a high power handling



XE 130

### 160mm (6") low midrange driver »power woofer«

*Since many years passes all tests of the JEHNERT systems successfully and withstands the enormously & durable forceful power of the systems – guaranteed!*

Extra slim 6,5" metal basket, especially for space-saving side-by-side installation of several speakers when space is limited • four external mounting eyelets • membrane area corresponds to an Euro standard chassis • description see »XM 165« (XM 160 and XM 165 only differs in basket size)



XM 160

### 165mm (6,5") low midrange driver »power woofer«

*Since many years passes all tests of the JEHNERT systems successfully and withstands the enormously & durable forceful power of the systems – guaranteed!*

165mm Euro-Norm-Chassis • high quality rubber surround • UV-stabilized, special coated paper membrane • capton voice coil and magnet vent in the pole core, rear vented alignment • extremely high resilient • alternatively with protective grills

*Modified version ... even more power ... even more performance ... even more sound!*



XM 165

### 200mm (8") »Flat-line« woofer with Neodymium drive

200mm (8") woofer with powerful integral Neodymium magnet drive • high-tech paper cone with surface coating to avoid cone resonances • 37mm voice coil with aluminium voice coil former • the rubber surround and the long throw voice coil guarantee extreme high excursions and absolutely stable power handling • good for kick-bass (with subsonic filter starting from 80 Hz) • due to low profile and weight specially suited for problematic installation areas • **weight only 660 grams**



XE 200

#### Technical specifications:

Speaker	XE 130	XM 160	XM 165	XE 200
Nominal power handling	200 Watt (@200 kHz)* 6 db	70 Watt	70 Watt	130 Watt
Peak power handling	300 Watt (@200 kHz)* 6 db	140 Watt	140 Watt	200 Watt
Frequency response	72–8.000 Hz*	49–5.000 Hz	49–5.000 Hz	42–4.000 Hz
Impedance	4 Ω	4 Ω	4 Ω	4 Ω
Sensitivity (1W/1m)	89 db	90 db	90 db	91 db
VAS	3,9 l	16,2 l	16,2 l	27,7 l
Fs	72 Hz	49 Hz	49 Hz	42 Hz
QMS	2.87	3.77	3.77	4.65
QES	0.55	0.77	0.77	0.67
QTS	0.49	0.65	0.68	0.59
Voice coil diameter	25 mm	25 mm	25 mm	37 mm
Magnetic material	Ferrite	Ferrite	Ferrite	Neodymium
Chasses-Diameter	131 mm	160 mm	165 mm	208 mm
Mounting Depth	53 mm	64 mm	64 mm	50 mm
Mounting Diameter	118 mm	143 mm	143 mm	184 mm

\* values with crossover

## Audi 80 Convertible / Coupé, type '89



fig. with co-driver-airbag: 75150



Nearly plane optics due to low construction height • high quality midrange/treble speaker system in the dashboard for a wide sound stage image • extremely powerful sound volume even with the top down • **75150** for cars with co-passenger airbag and electrical window controls • **76150** Doorboards including tray: without co-passenger airbag, electrical or mechanical window controls



midrange/treble system

### 3-ways JEHNERT-Sound-System

4 x 160 mm (6") JEHNERT Power Woofer »XM 160« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code **75150** vehicles with co-driver-airbag / **76150** vehicles without co-driver-airbag

## Audi A3 8L, 2-doors



**Only for 2 doors:** Doorboards in a modular concept: basic system **45157** as ideal solution to start out with • subwoofer system **46157** can also be upgraded (details: [www.jehnert.com](http://www.jehnert.com)) • high quality 26 mm (1") Softdome Neodymium tweeter in the vehicle doors • **angled position of the 100mm (4") midrange speaker** in the basic module 45157 guarantees an optimal dispersion • the system impresses by a very clear and pleasantly spatial sound image with precise and extraordinary powerful bass playback

### 3-ways JEHNERT-Sound-System: 45157

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code **45157** double-bass-system / **46157** subwoofer-system (technical data: [www.jehnert.com](http://www.jehnert.com))

## Audi A3 8P Sportback



Doorboards with double bass system and 100mm (4") **angled midrange speaker** • nearly plane optics due to minimum construction height • high quality 26mm (1") Softdome tweeter in the standard mount of the A-pillar • optimal dispersion of the midrange driver due to the angular position between the two woofers • forceful, peppy sound image with saturated sound fundament

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code **45180**

## Audi A3 8P, 2-doors



**Only for 2-doors:** Elegant design with very low profile • doorboards with quadruple-bass-systems and **angled midrange speaker** in the doorboard • very lively sound performance with extremely powerful bass playback • high quality 26mm (1") Softdome tweeter in the standard mount of the A-pillar • optimal dispersion of the midrange driver due to the angular position between the two woofers • very spatial and rich stage image

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code **75181**



## Audi A4 Sedan / Avant, 85 models from 1994

Profile only approx. 20mm (0,8") • doorboards for double-bass-system **45156** or quadruple-bass-system **75156** • high quality 26mm (1") Neodymium Dome tweeters in the original mount of the car doors • 100mm (4") High-end midrange driver in the doorboard • double-bass-system with very open stereoscopic sound and extremely forceful bass playback due to brilliant in-car acoustics • **75156:** rapide impulse characteristics, voluminous and enormously dynamic low frequency playback

### 3-ways JEHNERT-Sound-System: 75156

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code **75156** quadruple-bass-system / **45156** double-bass-system (technical data: [www.jehnert.com](http://www.jehnert.com))



## Audi A4 8E Sedan / Avant, models from 2001

Very low profile • doorboards with integrated tray (on request with cut-out for seatmemory and alarm switch) • special **angled position of the midrange driver** between the two woofers provides optimal spatial atmosphere • high quality 26mm (1") Softdome tweeter in the original mount of the vehicle doors • excellent sound quality • very clear and powerful bass playback

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code **75153**



## Audi A4 8H Convertible



Harmonic and well designed adaptation of the doorboards to the design lines of the car doors • low profile construction - only 15mm (0,6") • very spatial acoustics and detailed staging due to the **angled position of the 100mm (4") High-end midrange driver** in front of the four woofers • 26 mm (1") Neodymium tweeters in the dashboard • very powerful sound volume and high stability under load even with the top down • optional with or without cutout for the operating switch in the driver side doorboard



### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75151

## Audi A8 D2 Sedan



Seamless integrated double bass doorboards with special **angled position of the 100mm (4") High-end midrange** between the two woofers provides optimal spatial atmosphere • a high-quality 26mm (1") Softdome tweeter in the original place in the car door rounds the sound image by a clear tweeter playback. • double-bass system with forceful bass range and impressive dynamics • please advice: with or without cut-out for the seat memory switch • remark: not suitable for cars with seat heating

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45186

## Audi A5 Convertible / Coupé



Every detail of the doorboard design is in precise cut with the layouts of the lines of the Audi A5 door card • separated grills covered with acoustic cloth are perfectly emphasising the exclusivity of the doorboards and are hiding unobtrusively 4x 165mm (6,5") woofers in the car door • one additional midrange cut-out in the doorboard to optimize the original space provided for a 3-way system • the acoustically exact angled position of the High-end 100mm (4") midrange speaker makes the radiation perfect and results in a very homogeneous sound image • 26mm (1") Softdome Neodymium tweeter for an optional installation either in the mirror triangle or in the dashboard • the quadruple bass system guarantees an extremely powerful sound volume with saturated basses and enormous dynamics.

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75184

## Audi TT Coupé / Roadster 8N, models to 2006



Discreet design and minimal profile • **angled 100mm (4") High-end midrange driver** between the two front woofers for a wide sound stage image • 26mm (1") Neodymium Dome tweeter - installation with housing next to the release lever in the car door (for acoustic reasons we do not recommend to use the original mount of the tweeter) • very spatial, open front staging • enormous bass power and level stability

### 3-ways JEHNERT-Sound-System

4 x 160 mm (6") JEHNERT Power Woofer »XM 160« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75152

## Audi A6 4F Sedan / Avant

Audi A6 4B see [www.jehnert.com](http://www.jehnert.com)



### First class design and brilliant sound for highest demands in sound!

Perfect-in-form doorboards are integrating per side: 4 x 165mm (6,5") woofers and one 100mm (4") High-end midrange speaker above the bassline • 26mm (1") Neodymium Softdome tweeter in the original place in the car door • surprisingly high stability under load with sparkling basses • direct linkage of midrange and tweeter in the car door is providing a homogeneous sound image



### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75183



## Audi TT Coupé / Roadster 8J, models from 2006



Detailed doorboard construction with integrated cut-out for filler flap/trunk switch • 100mm (4") High-end midrange driver in the original mount of the doorlining • next to the release lever in the car door a 26mm (1") Softdome Neodymium tweeter with acoustic fine-tuning provides an harmonic midrange sound • installation of the tweeter with housing (incl. in delivery) • very lively sound • satisfying low bass • only for models with driver's side on the left

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75182



## BMW 1 Series E81/E82/E88 Conv./Coupé, 3-doors / E87, 5-doors, from 04/2007

A rich-in-detail doorboard construction for an optically harmonic integration in the front tray of the door card • the back part of the tray stays original • the grills are covered with hard-wearing cloth • the doublebass doorboards and the car-customized 3-way-system realises a significant increase in the range of keynote and a saturated bass playback • 100mm (4") High-End midrange speaker in the original place of the door card • 26mm (1") Softdome Neodymium tweeter in the mirror triangle • very clear and spatial sound characteristics



### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt/2 Ohm

prod.code 45169 E81/E82/E88 / prod.code. 46169 E87 from 04/2007

optional:  
»FLAT-Line« system  
p-13

## BMW 1 - 3 - 5 Series

### 3-ways »FLAT-Line« woofer system

BMW 1 Series E81/82/87/88 | 3 Series E90/91/92/93 | 5 Series E60/61 | 5 Series F10/11



The unique construction of the JEHNERT 200mm (8") Neodymium Flat-line woofer offers the perfect solution for an installation under the driver's and co-driver's seat. The original optics remains unchanged. The car-customized adapter rings for the original mounting places as well as 2-parts crossovers for a more easy installation are included in the scope of delivery. The powerful 3-way sound system provides excellent sound qualities. Optional 3-way "passive" or "semi-active" actuation possible.

- 200mm JEHNERT FLAT-Line woofer with inner Neodymium-magnet drive and mounting adapter for original installation under the seat
- 100mm High-end midrange with mounting adapter for installation in the door
- 26mm Neodymium Softdome tweeter for installation in the mirror triangle
- car-customized 3-way crossover

mounting adapter made of exclusive acrylic glass



- ✓ incl. mounting adapter for installation in original places
- ✓ the original optics is retained
- ✓ excellent sound quality
- ✓ with high performance and stability under load
- ✓ highest quality standard »made in Germany«

### 3-ways JEHNERT-Sound-System:

1 x 200 mm (8") JEHNERT Flat woofer »XE 200« / per side	power nominal/peak:	2 x 110 / 150 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	40 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	6 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 100 - 150 Watt / 4 Ohm

### prod.code:

BMW 1 - E81/E82/E87/E88	- no. 15100
BMW 3 - E90/E91	- no. 15100
BMW 3 - E92/E93	- no. 15100
BMW 5 - E60/E61 to 03.2007	- no. 15500
BMW 5 - E60/E61 from 04.2007	- no. 15500
BMW 5 - F10/F11 from 01.2010	- no. 15100

## BMW 1 Series E87, 5-doors, models to 03/2007

With an exact alignment to the design lines of the door card the doorboards offer a double bass system with an integrated tray • 100mm (4") High-end midrange speaker in the original place of the door card • 26mm (1") Softdome Neodymium tweeter in the mirror triangle • the system impresses by a precise and powerful bass playback • very lively sound • remark: E87 5-doors models from 04/2007 prod. code 46169



### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt/2 Ohm

prod.code 47169

optional:  
»FLAT-Line« system  
p-13



## BMW 3 Series E30 Sedan / Touring / Convertible

Doorboard construction in a modular concept: 45140 basic double-bass system as ideal solution to start out with • 100mm (4") High-end midrange driver above the bassline • installation of a (1") Neodymium Dome tweeter with housing in the mirror triangle • optimal frontstaging • powerful dry kickbass • high stability under load

For sedan, only 2-doors and convertible:  
Subwoofer-System 46140 • can also be upgraded • details: [www.jehnert.com](http://www.jehnert.com)




### 3-ways JEHNERT-Sound-System: 45140

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt/2 Ohm

prod.code 45140 basic-system / 46140 subwoofer-system (technical data: [www.jehnert.com](http://www.jehnert.com))

subwoofer-modul basic-modul

BMW 3 Series E36 Sedan / Touring / M3, models from 1991



Doorboards with elegant and discreet optics • high quality 26mm (1") Neodymium-Dome tweeter with housing in the original mount of the car door • **angled 100mm (4") High-end-midrange driver** in the doorboard for optimal sound throw • harmonic spatial sound construction • double bass system with forceful bass playback

**3-ways JEHNERT-Sound-System:**

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 160« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45146



BMW 3 Series E36 Compact





Complex construction in extravagant design • doorboards for a complete 3-way-system with maximum series of woofers, 26mm (1") Neodymium Softdome tweeter and 100mm (4") High-end midrange driver • The **angled midrange and tweeter position** provides a very spatial and rich stage image • very lively sound presentation with forceful and crisp bass playback • extreme level stability • enormously dynamic sound reserves

**3-ways JEHNERT-Sound-System**


4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	50 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75161

BMW 3 Series E46 Coupé / Convertible / M3

Luxurious design with low profile • high quality 26mm (1") Neodymium Softdome tweeter in the original mount of the car door • in order to guarantee optimal radiation, acoustically exact **angled position of the 100mm (4") High-end midrange** in the doorboard • balanced playback over the whole frequency range • forceful, low bass • impressive dynamics

**order notice - please specify: door with cloth inlay or leather**



**3-ways JEHNERT-Sound-System:**

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 46160

BMW 3 Series E36 Coupé / Convertible / M3, models from 1992



Discreet optics and low profile • rear tray stays original • high quality 26mm (1") Neodymium Softdome tweeter with housing in the original mount of the car door • **angled 100mm (4") High-end midrange driver** in the doorboard for optimal sound throw • very lively sound • forceful, dry bass

**3-ways JEHNERT-Sound-System:**


2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45147

BMW 3 Series E46 Coupé / Convertible / M3

Doorboards for the maximum of series with 8 x 165 mm (6,5") woofer and High-end-midrange driver above the bass line • **front pair of woofers angled** to avoid interferences • high quality 26mm (1") Neodymium Softdome tweeter in the original mount of the car doors • clear and wide graded midrange/treble playback • even with the top down in the convertible, extremely powerful sound volume with rich basses and enormous dynamics • extreme level stability

**order notice - please specify: door with cloth inlay or leather**



**3-ways JEHNERT-Sound-System**

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75160

BMW 3 Series E46 Sedan / Touring, models from 1998



Doorboards with an extravagant design to express the harmonic adaption to the door-lining • high quality 26mm (1") Neodymium Softdome tweeter in the standard mount of the mirror triangle • angular midrange speaker in the doorboard for optimal sound throw • forceful, peppy sound image with saturated sound fundament • optional: quadruple bass system prod. code 75145

<b>3-ways JEHNERT-Sound-System:</b>			
2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt	
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz	
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm	
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm	
<b>prod.code 45145</b>			

BMW 3 Series E46 Sedan / Touring, models from 1998



Complex doorboard construction with low profile • 100mm (4") midrange speaker above the bassline • high quality 26mm (1") Neodymium Softdome tweeter in the standard mounts of the mirror triangle • excellent sound qualities • impressive and forcefully dynamic bass playback • fine drawing midrange/treble playback • standard colour doorboards and acoustic cloth grill: black

<b>3-ways JEHNERT-Sound-System</b>			
4 x 165 mm (6,5") JEHNERT Power Woofer »XM 160« / per side	power nominal/peak:	2 x 300 / 500 Watt	
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz	
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm	
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm	
<b>prod.code 75145</b>			

BMW 3 Series E46 Compact



Perfect customization of the doorboards to the design lines of the doorlining • doorboards with double bass system and **angled 100mm (4") High-end midrange driver** • high quality 26mm (1") Softdome Neodymium tweeter in the standard mounts of the mirror triangle • optimal spatial atmosphere due to the angled position of the midrange driver between the two woofers • convincing by a forceful bass range with impressive dynamics

<b>3-ways JEHNERT-Sound-System:</b>			
2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt	
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz	
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm	
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm	
<b>prod.code 45164</b>			



BMW 3 Series E90 Sedan / E91 Touring / M3

**Extraordinary acoustic conditions in the vehicle guarantee excellent sound results!** Doorboards optional for two 45166 or three woofers 75166 • acoustically well positioned the fourth bass driver is installed in the original mount under the driver's / co-driver's seat • even the double bass system impresses by a very forceful and dry bass • the maximum in series of 8x 165mm (6,5") bass drivers comes up to impressive dynamic and enormous powerful bass playback • clear and wide midrange and tweeter playback • 100mm (4") High-end midrange speaker in the original mount in the car door • 26mm (1") Softdome tweeter in the factory-installed mirror triangle



<b>3-ways JEHNERT-Sound-System: 75166</b>			
4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt	
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz	
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm	
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm	
<b>prod.code 75166</b> quadruple-bass-system / <b>45166</b> double-bass-system (technical data: <a href="http://www.jehnert.com">www.jehnert.com</a> )			

4th woofer under driver-/co-driver seat with adapter plate

optional:  
»FLAT-Line« system  
p. 13



BMW 3 Series E92 Coupé / E93 Convertible / M3

Harmonic design alignment • minimal profile • doorboards for three woofers, rear tray stays original • an additional woofer under the seat supports the low bass range • 26mm (1") Softdome tweeter in the factory-installed mirror triangle • 100mm (4") High-end midrange driver in the original mount in the car door • very spatial sound • powerful and lively sound stage • standard colour of doorboards and grills: black



<b>3-ways JEHNERT-Sound-System</b>			
4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt	
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz	
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm	
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm	
<b>prod.code 75167</b>			

4th woofer under driver-/co-driver seat with adapter plate

optional:  
»FLAT-Line« system  
p. 13

## BMW 5 Series E39 Sedan / Touring / M5



Beautifully adapted to the design line of the doorlining • optional with or without cutout for the seat memory switch in the driver's side doorboard • 100mm (4") High-end midrange driver above the bassline in the doorboard • high quality 26mm (1") Neodymium Softdome tweeter in standard cutout next to the grill bars of the vehicle door • clear and dynamic spatial sound • pleasantly spatial • extremely powerful low bass range • high level stability

### 3-ways JEHNERT-Sound-System

4 x 160 mm (6") JEHNERT Power Woofer »XM 160« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75148 without cutout for seat-memory-switch / 76148 with cutout for seat-memory-switch

## BMW 8 Series E31



Enormously powerful quadruple bass boards • 100mm (4") High-end midrange driver above the woofers in the doorboard • the 26mm (1") Softdome Neodymium tweeter has been positioned after acoustical fine tuning in the car door • installation of the tweeter with an adapter (scope of supply) • very lively sound • satisfying low bass • harmonic midrange-treble sound range

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75168



## BMW 5 Series E60 Sedan / E61 Touring / M5, models to 3/2007



**Only for models to 3/2007:** Very exclusive optics by plan alignment in the original tray • high-quality midrange/treble system (26mm (1") Neodymium Softdome tweeter and 100mm (4") High-end midrange driver) in standard mount of the car door and mirror triangle • dry, saturated sound fundament • very forceful, sparkling sound image with good dissolving midrange treble playback • standard colour of doorboards and grills: black

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45165

optional:  
»FLAT-Line« system  
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## BMW Z3 Roadster / M-Roadster / Coupé

Facelift for the BMW Z3 double bass doorboards!  
The new GRP doorboards are now suitable for EURO chassis 165mm (6,5") • specially **angled 100mm (4") High-end-midrange** • 26 mm (1") Softdome tweeter in the original mount of the vehicle door • very clear and pleasantly spatial sound image • precise and extremely powerful bass playback • grills are covered with hard-wearing cloth • tip for colour choice of the doorboards: take the colour of the doorlining frame (mostly black)  
Quadruple bass system - see 75149



### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45149



## BMW 5 Series E60 Sedan / E61 Touring / M5, models from 04/2007



Double bass doorboards with an adaptation true to the form of the design lines • 100mm (4") High-end midrange driver in standard mount of the car door • high-quality 26mm (1") Neodymium Softdome tweeter in the mirror triangle • dry and saturated sound fundament • very forceful sparkling sound image with good dissolving midrange treble playback • standard colour of doorboards and grills: black

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code. 45144

optional:  
»FLAT-Line« system  
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## BMW Z3 Roadster / M-Roadster / Coupé

Quadruple bass doorboards with **angular 100mm (4") High-end-midrange** above the bassline • 26mm (1") Neodymium Softdome tweeter in standard mount of the vehicle door • extremely vivacious and very spatial sound even with the top down • impressive dynamics and massive low bass • tip for colour choice of the doorboards: take the colour of the doorlining frame (mostly black)



### 3-ways JEHNERT-Sound-System - quadruple-bass-system:

4 x 160 mm (6,5") JEHNERT Power Woofer »XM 160« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75149 quadruple-bass-system / 46149 double-bass-system (technical data: www.jehnert.com)





## BMW Z4 E85 Roadster / M-Roadster / Coupé



Very low profiled and slightly curved construction - fits perfectly to the doorlining • doorboards for three woofers, an additional woofer supports the low bass range in the original mount of the legroom • 26mm (1") Softdome tweeter in the mirror triangle • 100mm (4") High-end midrange installation in the original mount of the car doors • very impressive dynamics and a powerful low bass playback - even with the top down • superb sound qualities and extremely high stability under load



### 3-ways JEHNERT-Sound-System

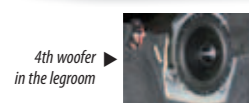
4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75162



## BMW Z4 E89 Roadster



With noble optics the doorboards are integrating three woofers in each of the car doors - a forth woofer supports the low bass range in the original mount of the legroom • high quality 26mm (1") Softdome Neodymium tweeter in the mirror triangle • 100mm (4") midrange installation in the original mount of the car doors • very dynamic sound package with very voluminous bass performance and perfect sound stage image

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75190



## BMW X5 E53 SUV, models to 2006

The true-to-form stepped design was adapted to the original door card • **angled 100mm (4") midrange driver** in the doorboard for optimal sound throw • 26mm (1") high quality Neodymium Softdome tweeter in standard mounts of the mirror triangle • very clear and dynamic spatial sound • enormously forceful dry bass playback • standard colour of doorboards and grills: black



### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45163

## BMW X5 E70 SUV, models from 11/2006

Very fine processed the quadruple bass doorboards are perfectly fitting the interior design of the door cards • installation of the 4th woofer in the original cut-out under the driver's /co-driver's seat (adapter is included in delivery) • very powerful sound volume with impressing level stability • clear and spacial sound image • grills with hard-wearing acoustic cloth



### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75191



## Mini, all models, Generation 1, models to 11/2006



Doorboard with integral tray • **on demand** surface refinement: optional paint in any shade of the original MINI colours • 26mm (1") Softdome Neodymium tweeter in standard mount of the vehicle door • **100mm (4") angled midrange driver** in the doorboard for optimal sound throw • very clear and pleasant spatial sound image with precise and extraordinary powerful bass playback

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6.5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 75192



## Mercedes W 210 E-Class Sedan / T-Model

Doorboard with integral tray • on demand with cutout for entrance light • very simple installation and easy to retrofit back to original • high quality midrange/treble system mounted with adapter frame (scope of supply) in original mount of the dashboard • harmonic spatial sound construction • wide sound stage image • forceful bass range



midrange / tweeter system  
dashboard



### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6.5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 75170



## Mercedes W 124 Convertible / Coupé

Quadruple bass doorboard with integral tray • on demand with cutout for entrance light • high quality midrange/treble system mounted with adapter frame in the original mount of the dashboard, adapter frame: scope of supply • very vivacious and spatial sound even with the top down • impressive dynamics and a powerful low bass playback • extreme level stability



midrange / tweeter system  
dashboard



### 3-ways JEHNERT-Sound-System

4 x 165 mm (6.5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75172





## Mercedes R 129 SL Convertible

**Indoor-set:** Completely invisible installation behind the doorlining • door look stays original • mounting adapter with unique super light-weight 200 mm (8") Flat-line woofer with Neodymium magnet and 100mm (4") High-end midrange driver integrated above the flat-woofer • **angled 26mm (1") Softdome Neodymium tweeter** in standard mount of the dashboard • sparkling dynamic soundpackage with enourmous bass playback  
**remark:** the adapter plates are different according to the year of construction - see fig.



fig. 76075

### 3-ways JEHNERT-Sound-System

2 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side	power nominal/peak:	2 x 130 / 200 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	46 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	6 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 100 - 150 Watt / 4 Ohm

**prod.code 75075** models up to 1996 / **76075** models from 1996

models up to 1996  
(original round  
speaker grill)



models from 1996  
(original fabrics  
speaker cover)

## Mercedes R 170 SLK Roadster



Very exclusive doorboards **with integral tray** • low profile construction • 26mm (1") Softdome tweeter in the original cutout of the vehicle door • double-bass-system with specially customized crossover circuit for very homogeneous sound • extremely dry kick bass playback • harmonically joined midrange/treble playback



### 2-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	frequency response:	50 - 22.000 Hz
JEHNERT crossover circuit, car-customized measured	impedance:	2 Ohm
	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

**prod.code 76076**



## Mercedes W 208 CLK Convertible / Coupé

Design with utmost perfection for the maximum of series with 8x 165mm (6,5") woofers • 100mm (4") High-end midrange driver in the doorboard above the bassline, 26mm (1") Softdome tweeter in the original cutout of the mirror triangle • extremely forceful bass playback • high level stability even at constant peak power • harmonic midrange sound • wide sound stage image



### 3-ways JEHNERT-Sound-System

4 x 160 mm (6") JEHNERT Power Woofer »XM 160« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

**prod.code 75174**



## Mercedes R 171 SLK Roadster



Doorboards with perfect integration in the series optics • doublebass-doorboards **with integrated tray** • **angled 100mm (4") High-end-midrange** in the doorboard for optimal spatial playback • high quality 26mm (1") Softdome Neodymium tweeter in the original place of the mirror triangle • excellent sound qualities • very clear and powerful bass playback

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

**prod.code 75102**

## Mercedes W 209 CLK, models from 06/2002

Exclusive and perfectly adapted doorboard construction • doorboard system for four woofers, the forth woofer is in the original place in the car door • **angled 100mm (4") midrange driver** for optimal sound throw • grills are with hard-wearing cloth • high quality 26mm (1") Neodym Dome tweeter in the mirror triangle • superb sound qualities and extremely high stability under load • standard colour of doorboards and grills: black

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

**prod.code 75101**



## Mercedes W 203 Sedan / T-Modell



Extravagant doorboard construction with exact fit to the original-switch board • construction height corresponds with the original tray • **angular 100mm (4") High-end midrange driver** in the doorboard to optimize the spatial acoustics • high quality 26mm (1") Neodymium Dome tweeter in the original mount of the mirror triangle • very lively sound with fine-drawing midrange and tweeter playback • satisfying low bass

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt/2 Ohm

prod.code 75178

## Mercedes Viano



### Doorboards - for Viano + Vito

Discreet design and low profile • Doorboard integration directly in the tray • tray inset (scope of supply) for additional use of the door tray as closed bass housing • 100mm (4") High-end midrange driver in the original mount of the car door • high-quality 26mm (1") Softdome tweeter in the A-pillar • very forceful, sparkling sound image with saturated bass fundament

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt/2 Ohm

prod.code 75171



double-bass modul



rearboard 77271



subwoofer modul

### Rear boards - optional for surround addition for Viano

very exclusive design with first class chassis • in combination with the front system impressive spacious atmosphere, with a 200mm Neodymium Flat-line woofer adding deep frequencies to the sound image • high-quality 26mm (1") Softdome tweeter in the B-pillar

### 2-ways JEHNERT-Sound-System

1 x 200 mm (8") JEHNERT Flat Woofer »XE 200« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 130 / 260 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 6 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 4 Ohm

prod.code 77171 for Viano up to 2010 / 77271 for Viano from 2010



## Smart ForTwo, Generation 1, models to 03/2007

### The Smart »Dashboard« - a sound conception for minimal place!

Extravagant design and very detailed construction • separated grills covered with light-fast acoustic cloth • full integration of a 3-way system in the cockpit • 4x 165mm (6,5") JEHNERT Power-Woofer and a high-quality COAX system altogether are calibrated exactly for the in-car acoustic • powerful and very lively sound presentation • standard colour: black

remark: only for models with driver's side on the left • not for »Crossblade«

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x JEHNERT High-End-Coax-System »XL112« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 65 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 49195



## Smart ForTwo, Generation 2, models from 03/2007

Perfect customizing to the design lines of the car door • **angled 100mm (4") High-end midrange driver** in the doorboard for optimal sound throw • high quality 26mm (1") Neodymium Softdome tweeter in the car door • very forceful bass playback • astonishing level stability even at constant peak power • standard colour of doorboards: anthracite

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 200 / 400Watt  
frequency response: 47 - 22.000 Hz  
impedance: 8 Ohm  
recommended amp. power: from 2 x 100 - 200 Watt/8 Ohm

prod.code 45196



## Porsche 986 Boxster



### DOORBOARD-SYSTEM

in two different types

»X-Quisit-Edition« or »Standard-Edition«

#### High quality materials and perfect in workmanship!

With a minimal profile the double-bass doorboards perfectly integrate a highly performed high-end sound system. A high quality midrange-tweeter-system is providing a wide sound stage image with sparkling heights • deep saturated and very powerful bass even in the lower frequency range • semi-active operation is possible • standard cover: genuine leather, black - Porsche coloured leather on request



„... even the look of the doorboards makes it obvious - this is best quality ...“



„...the Jehnert concept fits like a glove, space-saving and uncomplicated installation ... stable levels, fullbodied sound ...“

#### X-QUISIT-EDITION

doorboards with black painted metal grilles



fig. special colour



▲ doorboard



▲ midrange-tweeter-module (original look)



#### STANDARD-EDITION

doorboards with GRP-grilles and fabric cover



▲ doorboard



▲ midrange-tweeter-module (original look)



#### 3-ways JEHNERT-Sound-System:

2 x JEHNERT Power Woofer »XM 160 / XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code X-Quisit-Edition: 65125  
prod.code Standard-Edition: 75025

## Porsche 987 Boxster / Cayman



### DOORBOARD-SYSTEM

Very forceful double-bass doorboards and a special tweeter module for the dashboard are refining exclusively and precisely the series look. The acoustic fine-tuning and the exact positioning of the excellent speaker chassis are revealing first-class sound qualities with a perfect sound staging. 100mm (4") midrange driver above the woofers in the doorboard • **angled Neodymium Softdome tweeter** in the dashboard (the factory position is not recommended due to unfavorable radiation) • standard cover: black genuine leather - Porsche coloured leather on request.



#### First class sound quality with references!

Due to identical acoustic preconditions the Porsche 997 sound conception - tested by the professional journal - could be adapted also for the Porsche 987 Boxster and Cayman.



„... a sound system that fits the vehicle in style and demand ... finest workmanlike quality, which refines the Porsche inside ...“



„... the woofers in the car doors are starting tremendously and are continuing dynamically even at higher frequencies ...“



▲ doorboard



▲ tweeter-module

#### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 75138



#### The doorboard alternative:

### IN-DOOR-SET



Completely invisible installation behind the doorlining • door look stays original • adapter ring with unique super light-weight 200mm (8") flat line woofer with inner Neodymium magnet • 100mm (4") High-end-midrange driver above the flatline woofer in the original mount • discreet integration of the **angled 26mm (1") Neodymium Softdome tweeter** in a special developed tweeter module for the dashboard • sparkling dynamic sound-package with enormous bass playback and perfect sound staging • **total weight only 1000 grams per side!**

#### 3-ways JEHNERT-Sound-System

2 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 130 / 260 Watt  
frequency response: 46 - 22.000 Hz  
impedance: 6 Ohm  
recommended amp. power: from 2 x 120 - 160 Watt / 4 Ohm

prod.code 76137

## Porsche 996, all models



### DOORBOARD-SYSTEM

in two different types

»X-Quisit-Edition« or »Standard-Edition«



fig. special colour

#### X-QUISIT-EDITION

doorboards with black painted metal grilles



▲ doorboard



▲ midrange-tweeter-module (original look)



#### STANDARD-EDITION

doorboards with GRP-grilles and fabric cover



▲ doorboard



▲ midrange-tweeter-module (original look)



„... even the look of the doorboards makes it obvious – this is best quality ...“



„...the Jehnert concept fits like a glove, space-saving and uncomplicated installation ... stable levels, fullbodied sound ...“

#### 3-ways JEHNERT-Sound-System

2 x JEHNERT Power Woofer »XM 160 / XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code X-Quisit-Edition: 65131  
prod.code Standard-Edition: 75031

### REAR-SYSTEMS



996 COUPÉ

77032



996 CONVERTIBLE

77033



#### PERFECT SURROUND SOUND:

A 2-way full range system with exclusive rear side boards offers an optimal sound addition together with the front system. • also suitable for factory installed sound systems • very harmonical, spatial atmosphere • standard cover: genuine black leather - Porsche coloured leather on request

#### 2-ways JEHNERT-Sound-System

1 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 130 / 260 Watt  
frequency response: 37 - 22.000 Hz  
impedance: 6 Ohm  
recommended amp. power: from 2 x 120 - 160 Watt / 4 Ohm

prod.code 996 Coupé: 77032 / 996 Convertible: 77033

## Porsche 997, all models



### DOORBOARD-SYSTEM

Noble and exclusive the double bass doorboards integrating a powerful sound system in the Porsche doorcard. With an acoustic fine-tuning the exact position of the High-end midrange speaker has been fixed above the woofer and the tweeter in the dashboard. The Softdome Neodymium tweeters in angular position and with a descreeet housing are providing a perfect sound staging. The sound package with high level stabiliy mediates „pure emotion“ with a deep and powerful bass playback.



„... a sound system that fits the vehicle in style and demand ... finest workmanlike quality, which refines the Porsche inside ....“



„... the woofers in the car doors are starting tremendously and are continuing dynamically even at higher frequencies ...“



#### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 75137



▲ doorboard



▲ tweeter-module in the dashboard

### The doorboard alternative:

### IN-DOOR-SET



Completely invisible installation behind the doorlining • door look stays original • adapter ring with unique super light-weight 200mm (8") flat line woofer with inner Neodymium magnet • 100mm (4") High-end-midrange driver above the flatline woofer in the original mount • descreeet integration of the angled 26mm (1") Neodymium Softdome tweeter in a special developed tweeter module for the dashboard • sparkling dynamic sound-package with enourmous bass playback and perfect sound staging • total weight only 1000 grams per side!

#### 3-ways JEHNERT-Sound-System

2 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 130 / 260 Watt  
frequency response: 46 - 22.000 Hz  
impedance: 6 Ohm  
recommended amp. power: from 2 x 120 - 160 Watt / 4 Ohm

prod.code 76137

### REAR-SYSTEMS

#### THE SURROUND SOUND SPECIALISTS:

Exquisit in design and high quality chassis for an optimal sound addition. A 200mm (8") flat line woofer and a high-quality 26mm (1") Neodymium Softdome tweeter per side are integrated in the rear boards • standard cover: genuine black leather - Porsche coloured leather on request

#### 3-ways JEHNERT-Sound-System

Conv.: 1 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side  
Coupé: 2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 130 / 260 Watt  
frequency response: 37 - 22.000 Hz  
impedance: 6 Ohm  
recommended amp. power: from 2 x 120 - 160 Watt / 4 Ohm

prod.code 997 Convertible: 77137 / 997 Coupé: 77237



997 CONVERTIBLE 77137



997 COUPÉ 77237



## VW Golf III, all models, from 1991



Doorboards with integrated tray • construction height corresponds with original tray • on request with cutout for entrance light • unique super lightweight 200mm (8") flat subwoofer with retracted Neodymium magnet • high quality 26mm (1") tweeter with fabrics membrane in the original mount of the dashboard • enormously forceful sound with powerful bass playback • extraordinary far throwing and linear midrange playback due to an inverse dust-cap • **remark:** only for cars with electrical window control **if ordering - please specify:** cover rough- or fine-textured (the rough texture is similar to the dashboard)



### 2-ways JEHNERT - Sound-System

2 x 200 mm (8") JEHNERT Flat-Woofer »XE200« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 260 / 400 Watt  
frequency response: 44 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 230 Watt / 4 Ohm

prod.code 75427

## VW Golf IV / Variant / Bora



**Only cars with four doors and electrical window control:** Doorboards with double bass system • alternatively with cutout for entrance light • **angled High-end 100mm (4") midrange driver** between the two front woofers for a wide sound stage image • high quality 26mm (1") Neodymium Dome tweeters in standard cutout of the mirror triangle • very lively sound • forceful dry bass **remark:** only for models with driver's side on the left

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 46129

## VW Golf IV, 2-doors



**Only cars with two doors and electrical window control:** Doorboards with quadruple-bass-system • the profile corresponds with the original tray • 4-way system with exceptional, car-specific frequency splitting: separation of the two rear subwoofers at about 200 Hz to avoid frequency overlay • **angled 100mm (4") High-end midrange driver** between the two front woofers for a wide sound stage image • 26mm (1") Neodymium Dome tweeters in standard cutout of the mirror triangle • enormous, voluminous deep sound playback • extremely stable levels • wide sound stage image with sparkling heights **remark:** only for models with driver's side on the left

### 4-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75129

## VW Golf V, 2-doors



**Only for cars with two doors:** Very detailed doorboard construction • special **angled position of the midrange driver** in the doorboards provides an optimal spacious stage image • impressive dynamics and considerable powerful bass playback • 26mm (1") Softdome Neodymium tweeter in the original place in the mirror triangle **remark:** switch for filler flap release must be relocated • only for models with driver's side on the left

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 48 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75112



## VW Golf VI, 2-doors



Very complex doorboard construction • 100mm (4") High-end midrange driver above the woofers integrated • high quality 26mm (1") Neodymium Softdome tweeter in the mirror triangle • satisfying low bass • harmonic midrange sound • impressive sound increase in comparison with the original 2-way-soundsystem • standard colour of doorboards and grills: black

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75113

## VW Golf VI, 4-doors



The double-bass doorboards with a 100mm (4") High-end midrange driver are smoothly integrated in the door cards in the Golf 6 • 26mm (1") Softdome Neodymium tweeter in the mirror triangle • car-customised 3-way sound system • very lively sound image • powerful bass and impressive dynamics • grills with hard-wearing acoustic cloth

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 47 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45113

## Golf VI Convertible



Doorboards which are perfect in form are integrating 4 x 165mm (6,5") JEHNERT Power Woofer and one angled 100mm (4") High-End midrange speaker each car side • 26mm (1") Neodymium Softdome tweeter in the original place in the mirror triangle • the system convinces by an extraordinary powerful bass playback and a very lively sound image

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 76113



## VW Bus T4, Multivan



Doorboards **with big integrated tray** • the total series maximum of 8x 165mm (6,5") woofers reaches impressive dynamics and considerably powerful bass playback • very clear and pleasantly spatial sound • 100mm High-end-midrange in original mount of the dashboard • mounting of the 26mm (1") Neodymium Softdome tweeters with housing on the A-pillar

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	47 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75110

## VW Bus T5 Multivan / Caravelle / Transporter



Minimum profile and discreet optics • doorboards with quadruple bass system • **special angled 100mm (4") High-end midrange driver** in the doorboard for optimal sound throw • high quality 26mm (1") Neodymium Softdome tweeters in original mount of the dashboard • very open and spatial sound • forceful and crisp bass playback

**please specify:** factory »Dynaudio-System« (see fig.) - yes or no?



**Alternatively: Indoor-installation kit prod.code: 79111**

Completely invisible installation behind the door lining.  
For technical details see [www.jehnert.de](http://www.jehnert.de)

### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75111 Multivan / 76111 Transporter / Caravelle

## VW Passat 3B / 3BG, models from '97

Discrete and unobtrusive design by a low profile of the doorboards • **100mm (4") midrange in angled position** in the doorboard for an optimal sound radiation • very powerful bass playback • high quality 26mm (1") Softdome Neodymium tweeter in the mirror triangle • very spatial sound image

**Order specification:** part.no. **45124** - Passat 3B - models up to Facelift  
part.no. **46124** - Passat 3BG - models from Facelift  
(door card comprises switch for tank unblocking)

### 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45124 / 46124 with cut-out for tank unblocking



## Opel Astra H Coupé / GTC / Twin Top

With a harmonic combination of appealing design and esthetics the doorboards are integrated perfectly in the door lining • double-bass-system with direct connection to the midrange speaker in the doorboard • **special angled position of the midrange driver** in the doorboards provides an optimal spacious stage image • impressive dynamics and considerably powerful bass playback • high-quality 26mm (1") Softdome tweeter in the original place in the mirror triangle

### 3-ways JEHNERT-Sound-System:

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 160 / 220 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	49 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	2 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45116



## Opel Astra H Coupé / GTC / Twin Top

Noble in design and high quality processing • very low profile • quadruple-bass system connected directly with the **angled 100mm (4") High-end midrange** in the doorboard • the series maximum of 8x 165mm (6,5") woofers reaches excellent sound qualities and a very powerful sound volume with saturated basses • clear and wide stage midrange-treble playback • high-quality 26mm (1") Neodymium Dome tweeter in the original mount of the mirror triangle



### 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side	power nominal/peak:	2 x 300 / 500 Watt
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side	frequency response:	48 - 22.000 Hz
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side	impedance:	4 Ohm
JEHNERT crossover circuit, car-customized measured	recommended amp. power:	from 2 x 200 - 300 Watt / 4 Ohm

prod.code 75116



# Opel

Opel Astra G, all models



Double-bass-doorboards with **angled 100mm High-end midrange** above the two bass speakers for an optimal spatial playback • high quality 26mm (1") Neodymium Softdome tweeter in the original place in the mirror triangle • very powerful dry bass • dynamic and lively sound image • harmonic mid-tweeter range • **please advise vehicle model**

## 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 49 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45119

# Peugeot

206 Sedan / Convertible



Doorboards for Peugeot 206, all models • installation in the recessed front section of the doorcard, the rear tray stays original • 100mm (4") High-end midrange driver in the doorboard above the woofer • high quality 26mm (1") Softdome Neodymium tweeter in the mirror triangle • very clear and pleasantly spatial sound image with precise and extraordinary powerful bass playback

## 3-ways JEHNERT-Sound-System

2 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 160 / 220 Watt  
frequency response: 42 - 22.000 Hz  
impedance: 2 Ohm  
recommended amp. power: from 2 x 120 - 200 Watt / 2 Ohm

prod.code 45194 2 + 4-doors

# Renault

Megane III, 2-doors



## Doorboard-power-package for sportscar!

Customized, extremely low-profiled doorboards with a total of 8x 165mm (6,5") power woofers • angular 100mm (4") High-End midrange speaker are integrated above the bass-line • a 26mm (1") Softdome Neodymium tweeter is installed in the mirror triangle • stunning powerful bass • impressive sound dynamics and an extraordinary high load capacity

## 3-ways JEHNERT-Sound-System

4 x 165 mm (6,5") JEHNERT Power Woofer »XM 165« / per side  
1 x 100 mm (4") High-End-midrange driver »XM 110« / per side  
1 x 26 mm (1") Neodymium-Dome tweeter »XE 26« / per side  
JEHNERT crossover circuit, car-customized measured

power nominal/peak: 2 x 300 / 500 Watt  
frequency response: 46 - 22.000 Hz  
impedance: 4 Ohm  
recommended amp. power: from 2 x 200 - 300 Watt / 4 Ohm

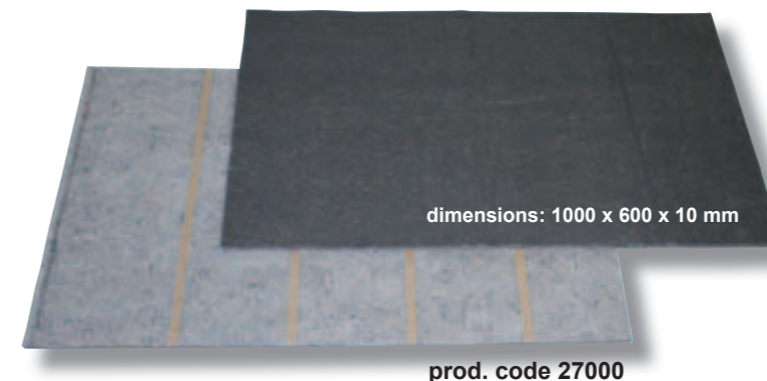
prod.code 75198

## Insulation fleece »self-adhesive«

flame retardant • with approval from the motor industry according to DIN 75200

## »No more vibration noises!«

- clean, fast and easy to handle, can also be used in multilayer



dimensions: 1000 x 600 x 10 mm

prod. code 27000



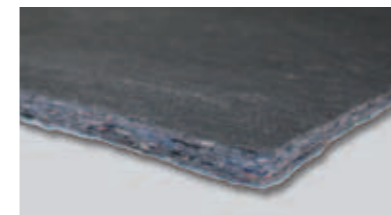
## perfectly suitable for:

- door cards
- side panels
- rear shelves
- interior roof linings
- boots
- subwoofer housings
- compressors
- mobile homes
- boat cabins
- floor coverings

The flame retardant material has excellent sound deadening qualities. It corresponds to the strict demands on quality and regulations of the automotive industry and has been approved in accordance with DIN 75200. Not suitable for wet areas.

## EASY - CLEAN - FAST!

### Example of use - installation of car hifi: insulation of the door card



1. Cut the insulation fleece according to the size of the door.



2. Pull away the adhesive foil on the back side of the fleece.



3. Adhere the back side of the door card to the insulation fleece.

## SCOPE OF SUPPLY AND REMARKS OF ASSEMBLY

All doorboards are shipped ready for installation complete with installation material and wired as far as possible. Doorlinings are not part of the delivery.

The doorboards are mounted directly onto the original doorlining without extruding screws and without any metal cutting work.

To obtain an optimal sound the loudspeakers need the volume of the vehicle door. For this the doorlining on most vehicles is cut out behind the loudspeakers. This is not a disadvantage when the vehicle is sold later:

**JEHNERT doorboards and sound systems are a very popular accessory when the car is sold and even with leasing returns they are an exclusive special outfit!**

Vibrations from the basses can lead to annoying rattle noises in the car door. Moreover, it suppresses the »hollow« sound of vehicle door without insulation. Therefore, insulation is meaningful for most vehicles, whereby the insulation of the door is even more important for clean, excellent sound than the insulation of the internal door metal.

**Our recommendation: The self-adhesive vibration suppressing insulation fleece with approval from the motor industry according to DIN 75200 - JEHNERT - prod.no. 27000**

Development and production of car-audio-systems

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