



# ISO-CABS

The TTC Iso-Cabs Iso-G and Iso-B are the direct successors to the successful TTC Iso-Cab series version 1.

We have reworked the entire concept of the Iso-Cabs, and have achieved considerable improvements in isolation, damping, handling, tone, size, and weight. Furthermore, in response to many requests, we have developed the Iso-B, a solution for bass..

The Iso-Cabs have many possible uses. They are found not only in recording sessions or studios, but can also be useful in live situations.



The closed system not only reduces the volume outside of the box, it also reduces the noise from outside the system, providing an optimal environment for micing the speaker.

The Iso-Box can also be used as a normal speaker cabinet - just remove the service door..

## TT-Cabs

A Division of Tube-Town GmbH  
Rumbergring 37  
D-66969 Lemberg  
[www.tt-cabs.com](http://www.tt-cabs.com)

## How complete is the isolation ?

The degree of isolation is dependent upon the frequency of the signal as well as the loudspeaker and amplifier used.

As a reference, we have made some measurements with a normal guitar signal.

Signal strength at a distance of 5 cm from the service door:

Service door open:	107 dB Peak	104 dB Avg
Service door closed:	86 dB Peak	82 dB Avg

Signal strength at a distance of 1m from the service door:

Service door open:	96 dB Peak	94 dB Avg
Service door closed:	82 dB Peak	79 dB Avg

## Which models are available ?

The TTC Iso-Cabs include a model for bass and a model for guitar. The size and basic construction of both models is identical, but the bass model requires a more complicated mechanism for the door, which is more expensive to manufacture. The Iso-B (Bass) model can be used for bass or guitar, but the Iso-G (guitar) model should be used only for guitar..

## Custom solutions ?

As with all TTC products, a custom Iso-Cab can be ordered when the standard models do not fit the customer's needs.

## What are the limitations of the Iso-Cabs ?

Due to the closed system, a very high pressure is developed in the Iso-Cabs, which has a direct effect upon the loudspeaker and its movement, in relation to the volume level. As a consequence, the loudspeaker is much more strongly dampened than a speaker in an "open" cabinet. How strong this dampening is, and how this affects the tone is dependent on the loudspeaker, the amplifier, and the volume itself, and can have the result that the loudspeaker sounds different in the Iso-Cab than it does in a 'normal' cab. As a rule, these differences are not dramatic and can be compensated with the tone settings of the amplifier itself..

Greater attention should be paid to the choice of microphone used. Condenser microphones are not recommended, as the high sound pressure levels in the cabinet can destroy the microphone membrane. A reasonable practice is the use of dynamic microphones such as the Shure SM57 or similar mics.

The loudspeaker itself should have a high power handling capacity, since the closed cabinet restricts heat dissipation. The Jensen Neodyms have done very well in tests.

If powerful 50- to 100-watt amps with no master volumes are to be used at high volumes, an attenuator is recommended. The attenuator dissipates a portion of the output power, which will have a beneficial effect on the loudspeaker. The attenuator need not be an expensive unit - a simple L- or T pad with a reduction of 10- to 12 dB is a great help and has only a minimal effect on the sound.



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## Specifications

Size:	<b>Iso-G</b> 800 x 400 x 385 mm	<b>Iso-B</b> 800 x 400 x 385 mm
Color:	black	black
Weight (without loudspeaker):	ca. 16 kg	ca. 16 kg
Connections:	1 x 6,3 mm Phone 1 x XLR	1 x Speaker/Phone 1 x XLR
Microphone attachment:	Gooseneck	Gooseneck



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