WBT

WBT-USA™

PRODUCT LIST

INDEX

Please Note:

WBT

RCA TYPE CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

51mm / 2.0"
13.7mm
0.54"

WBT-0101 Topline

WBT-0101-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

Ultra fine machining grants smooth operation of unit. Unique plating process with final plating of 24k gold. Patented WBT™ barrel provides both adjustment and locking function. The barrel is finished in polished ruthenium. A slotted center pin allows a perfect fit. Teflon™ insulation. Strain relief captured with Torx™ T6 size set screw. Maximum cable diameter allowed is 9mm^2/ 0.354 inches^2.

51mm / 2.0"
13.7mm
0.54"

WBT-0102Ag nextgen™ Signature (hybrid)

WBT-0102Ag-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

Contacts utilize passivated pure fine silver. The body is constructed with brass and then platinum plated to give a nice asthetic appeal. The central contact assembly is made of Ultramid® and the negative contact uses Dyneon™. The barrel is comprised of brass with a shiny black piano lacquer finish. A characteristic impedance of 75 ohms makes this a perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm^2 / 16-17 AWG. Maximum diameter of cable with dielectric is 9mm^2 / 0.354 inches^2.
The barrel is offered in black only.

51mm / 2.0"
13.7mm
0.54"

WBT-0102Cu nextgen™ Topline (hybrid)

WBT-0102Cu-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

As above with contacts manufactured from pure oxygen free copper which is plated with a thin layer of 24k gold to provide protection from oxidation. The barrel is offered in black only.

51mm / 2.0"
13.7mm
0.54"

WBT-0108 Topline

WBT-0108-KIT
4 Plugs, Torx™ key, boxed

Crimp version of the WBT-0101. It is recommended that the signal contact (maximum 16 AWG) and ground (maximum 14 AWG) conductors first be prepared with a crimp sleeve. Connection is made by fastening the conductors with the supplied Torx™ T6 size set screws. The greatest cable diameter that can be accommodated is 9mm^2 / 0.354 inches^2.

Product List • Effective January 1, 2007

RCA TYPE CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

WBT-0110Ag nextgen™ Signature (pure)

WBT-0110Ag-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

Passivated pure fine silver contacts. The body is constructed of Ultramid®, while the negative contact uses Dyneon™. The Barrel is comprised of Al/Mg alloy for improved rejection of EMI. With a characteristic impedance of 75 ohms, the WBT-0110 makes the perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm^2 / 16-17 AWG. Maximum diameter of cable with dielectric is 9mm^2 / 0.354 inches^2. Connector body available in nine different colors for multichannel identification. The barrel is offered in cobalt blue only.

WBT-0110Cu nextgen™ Topline (pure)

WBT-0110Cu-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

As above with contacts manufactured from pure oxygen free copper and plated with a thin layer of 24k gold to provide protection from oxidation. Barrel offered in cobalt blue only

WBT-0144 Midline

WBT-0144-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

As a midline offering of the WBT-0101, this connector has all the same style and finesse. Differences include a barrel finished in matte black, lower yet efficient machining tolerances and lesser percentage oxygen free copper alloy stock. The largest outside diameter cable that can be accepted by this RCA type connector is 9mm^2 / 0.354 inches^2.

WBT-0147 Midline

WBT-0147-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

While being a compact version of the WBT-0144, shorter and thinner, this connector works well on smaller diameter cables. With a maximum cable diameter of 7.8mm^2 / 0.307 inches^2, this is the smallest RCA type plug manufactured by WBT.

WBT

60mm / 2.36"
13.7mm 0.54"

WBT-0150 Topline

WBT-0150-KIT
2 Plugs, WBT™ solder, Torx™ key, boxed

This connector is an oversized version of the WBT-0101 with similar construction and features. Accommodates a cable diameter between 9.1-11.3 mm^2 / 0.358-0.445 inches^2.

55mm / 2.17"
13.7mm 0.54"

WBT-0152Ag nextgen™ Signature (hybrid)

WBT-0152Ag-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

A new (2007) version of the WBT-0150 connector. Improved to utilize the nextgen™ insert. Contacts utilize passivated pure fine silver. The body is constructed with brass and then platinum plated to give a nice asthetic appeal. The central contact assembly is made of Ultramid® and the negative contact uses Dyneon™. The barrel is comprised of brass and finished in a glossy piano black color. A characteristic impedance of 75 ohms makes this a perfect match for digital audio and video. The maximum size conductor that can be used is 1.5mm^2 / 16-17 AWG. Maximum diameter of cable with dielectric is 9.1-11.3 mm^2 / 0.358-0.445 inches^2.
The barrel is offered in black only.

55mm / 2.17"
13.7mm 0.54"

WBT-0152Cu nextgen™ Topline (hybrid)

WBT-0152Cu-KIT
4 Plugs, WBT™ solder, Torx™ key, boxed

As above with contacts manufactured from pure oxygen free copper which is plated with a thin layer of 24k gold to provide protection from oxidation. The barrel is offered in black only.

Product List · **Effective January 1, 2007**

RCA TYPE PLUG COMPARISON CHART

At a Glance RCA Plug Comparison Chart

RCA PLUGS	Final body finish	External plating, layers & thickness	Metallurgic properties of signal contact area	Properties of connector body	Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0101	double 24k gold with polished ruthenium barrel	nickel free 5 layers Cu 11μm duplex Pd 4μm Au 0.3μm duplex	68% oxygen free copper alloy with Teflon™ insulation	68% oxygen free copper alloy 2/100 mm machining tolerance	●			●		●	●	●		○		●
WBT0102Ag	platinum plated brass with glossy piano black lacquer finish	1 layer Pt 0.4 μm	100% fine silver passivated	68% oxygen free copper alloy 2/100 mm machining tolerance	●			●	●	●	●	●	●	○	○	●
WBT0102Cu	24k gold plated brass with glossy piano black lacquer finish	1 layer Au 0.5μm	99.996% copper	68% oxygen free copper alloy 2/100 mm machining tolerance	●			●	●	●	●	●	●	○	○	●
WBT0108	double 24k gold with polished ruthenium barrel	nickel free 5 layers Cu 11μm duplex Pd 4μm Au 0.3μm duplex	68% oxygen free copper alloy with Teflon™ insulation	68% oxygen free copper alloy 2/100 mm machining tolerance		●		●		●	●	●		○		●
WBT0110Ag	color coded Ultramid™ / ceramic coated Al/Mg barrel	1 layer Pt 0.4 μm	100% fine silver passivated	main body of Ultramid™ modular insert of Dyneon™	●			●	●	●	●	●	●	○	○	●
WBT0110Cu	color coded Ultramid™ / ceramic coated Al/Mg barrel	1 layer Au 0.5 μm	99.996% copper	main body of Ultramid™ modular insert of Dyneon™	●			●	●	●	●	●	●	○	○	●
WBT0144	24k gold plating with matte black barrel	3 layers Cu 1.5 μm Ni 8.0 μm Au 0.2 μm	55% oxygen free copper alloy with Teflon™ insulation	55% oxygen free copper alloy 5/100 mm machining tolerance	●			●		●	●	●		○		●
WBT0147	24k gold plating with matte black barrel	3 layers Cu 1.5 μm Ni 8.0 μm Au 0.2 μm	55% oxygen free copper alloy with Teflon™ insulation	55% oxygen free copper alloy 5/100 mm machining tolerance	●			●		●	●	●		○		●
WBT0150	double 24k gold with polished ruthenium barrel	nickel free 5 layers Cu 11μm duplex Pd 4μm Au 0.3μm duplex	68% oxygen free copper alloy with Teflon™ insulation	68% oxygen free copper alloy 2/100 mm machining tolerance	●											
WBT0152Ag	platinum plated brass with glossy piano black lacquer finish	1 layer Pt 0.4 μm	100% fine silver passivated	68% oxygen free copper alloy 2/100 mm machining tolerance	●											
WBT0152Cu	24k gold plated brass with glossy piano black lacquer finish	1 layer Au 0.5μm	99.996% copper	68% oxygen free copper alloy 2/100 mm machining tolerance	●											

Termination

Available marking colors for Multichannel identification

WBT

RCA TYPE SOCKETS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

37mm / 1.46"

17.2mm
0.68"

WBT-0201 Topline

WBT-0201-KIT
2 Sockets, WBT™ solder, boxed

This RCA type socket is a favorite among many audio enthusiasts. Featuring 99.996% high copper content, the dual prism spring loaded contact, WBT's 24k gold supra-plating process and Teflon™ dielectric. Socket tightens from the outside of a chassis using the included mounting nut. The complete unit includes insulation washers to accommodate a panel thickness from 0.1mm - 4.2mm.

37mm / 1.46"

17.2mm
0.68"

WBT-0210Ag Ms

WBT-0210Ag

WBT-0210Ag Ms nextgen™ Signature (metal nut)

WBT-0210Ag Ms-KIT (metal nut)
2 Sockets, WBT™ solder, boxed

WBT-0210Ag nextgen™ Signature (pure)

WBT-0210Ag-KIT (pure)
2 Sockets, WBT™ solder, boxed

The highest quality socket available on the market, with passivated pure fine silver contacts for both positive and negative connections. The positive contact utilizes a new tulip shaped spring loaded design to assure a secure connection. Air used as a dielectric surrounds the positive contact. The main body is comprised of 30% glass reinforced Ultramid® with the ground (negative) contact embedded within the connector. The complete unit includes removable insulation washers to accommodate a panel thickness from 0.1mm - 4.2mm.

37mm / 1.46"

17.2mm
0.68"

WBT-0210Cu Ms

WBT-0210Cu

WBT-0210Cu Ms nextgen™ Signature (metal nut)

WBT-0210Cu Ms-KIT (metal nut)
2 Sockets, WBT™ solder, boxed

WBT-0210Cu nextgen™ Signature (pure)

WBT-0210Cu-KIT (pure)
2 Sockets, WBT™ solder, boxed

As above with both contacts, positive and negative, manufactured from pure oxygen free copper and plated with a thin layer of 24k gold to provide protection from oxidation.

RCA TYPE SOCKETS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

PCB MOUNT

WBT-0234 Topline

Right angle, printed circuit board version of the WBT-0201 with a screw to secure the connection to a printed circuit board. The ground contact is made through the securing screw to the PCB and two additional solder points. The signal, or positive contact, has one solder contact point.

WBT-0244 Midline

The WBT-0244 is a midline version of the WBT-0201 which differs in the copper content of the main body and the machining tolerances.

PCB MOUNT

WBT-0274 Midline

A midline offering of the WBT-0234, this connector provides a single ground and signal or positive mounting position. The socket body is machined of a lower percentage copper alloy, but the positive contact is made of 99.996% pure copper as with all WBT sockets.
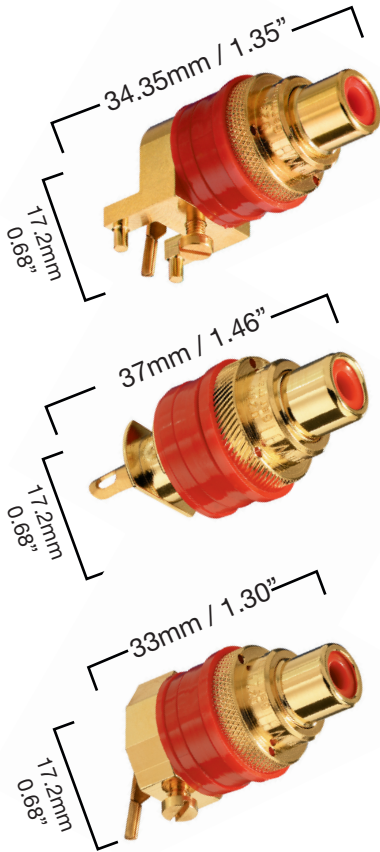
At a Glance RCA Socket Comparison Chart						Termination			Available marking colors for multichannel identification								
RCA SOCKETS	**Final body finish**	**External plating, layers & thickness**	**Maximum cable diameter size accepted**	**Metallurgic properties of signal contact area**	**Properties of connector body**	Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0201	24k gold	nickel free 2 layers Bronze 5µm Au 0.3µm	1.5mm² 16 AWG	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	68% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●			●		●				○		
WBT0210Ag WBT0210Ag Ms (Ms=metal nut)	grey Ultramid™	non metal	1.5mm² 16 AWG	100% fine silver (passivated)	main body of Ultramid™ 0.1-4.2mm mounting panel thickness	●			●	●	●	●	●	●	○	●	●
WBT0210Cu WBT0210Cu Ms (Ms=metal nut)	grey Ultramid™	non metal	1.5mm² 16 AWG	99.996% oxygen free copper with 0.5µm 24k gold plating	main body of Ultramid™ 0.1-4.2mm mounting panel thickness	●			●	●	●	●	●	●	○	●	●
WBT0234	24k gold	nickel free 5 layers Cu 11µm duplex Pd 4µm Au 0.3µm duplex	printed circuit board mounting (right angle)	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	68% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●		●	●		●				○		
WBT0244	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	2.5mm² 14AWG	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™Insulated	55% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●			●		●				○		
WBT0274	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	printed circuit board mounting (right angle)	99.996% oxygen free copper with 0.3µm 24k gold plating Teflon™ insulated	55% oxygen free copper alloy 0.1-4.2mm mounting panel thickness	●		●	●		●				○		

WBT

SPEAKER CONNECTORS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

57mm / 2.24"
13.7mm / 0.54"

WBT-0600 Topline

WBT-0600-KIT
4 Plugs, 1 Torx™ key, boxed

Top quality banana plug with robust design and sleeve with polished ruthenium finish. Offering high contact pressure due to an expanding inner spike ensures a solid mechanical fit. Termination fitted with two Torx™ screws size T6 for secure crimp connection as well as cable strain relief. Easy fit for wire size up to 10mm^2 / 8 AWG.

57mm / 2.24"
13.7mm / 0.54"

WBT-0644 Midline

WBT-0644-KIT
4 Plugs, 1 Torx™ key, boxed

A midline offering of the WBT-0600. Differences include a barrel finished in black, lower yet efficient machining tolerances and lesser grade oxygen free copper alloy stock. The largest diameter cable accepted for termination is 10mm^2 / 8 AWG.

CE COMPLIANT   **STACKABLE**

40mm / 1.57"
29mm / 1.14"

WBT-0645 Midline - Safety Line

WBT-0645-KIT
4 Plugs, 1 Torx™ key, boxed

An Innovative banana plug approved worldwide as a loudspeaker cable connector due to the safety pin design. It is fully insulated using Makrolon®. A secure connection is possible through an expanding inner spike which provides high clamping power. Using only one hand, cables can be connected in tight spaces with just thumb and forefinger. The WBT-0645 is stackable for bi-wiring. Two Torx™ screws for extra tight pressure connection and additional cable strain relief. Connector can accommodate a cable diameter size of 10mm^2 / 8 AWG.

CE COMPLIANT

49.3mm / 1.94"
6.4mm / 0.25"
13.5mm / 0.53"

WBT-0660Cu Topline

WBT-0660Cu-KIT
4 Plugs, 1 Torx™ key, boxed

High current spade lug with elastomeric shock absorber for progressive contact pressure eliminating structure born and air born noise as well as magnetostriction. Fully insulated body conforms to international safety standards. 1/4 inch / 6.4mm sandwich spade connector. Pure oxygen free copper contact is direct gold plated to protect against oxidation.   Easy fit for wire sizes up to 10mm^2 / 8AWG.

CE COMPLIANT

49.3mm / 1.94"
8.1mm / 0.33"
13.5mm / 0.53"

WBT-0680Cu Topline

WBT-0680Cu-KIT
4 Plugs, 1 Torx™ key, boxed

Same as the WBT-0660Cu but in a larger size of 5/16 inch / 8.1mm sandwich spade connector. Easy fit for wire sizes up to 10mm^2 / 8AWG.

WBT
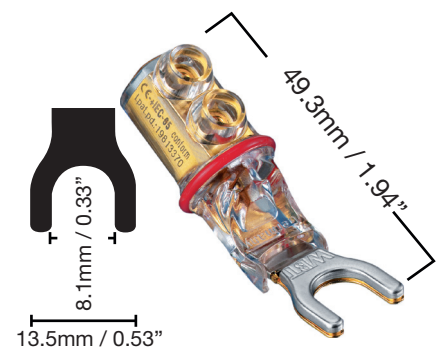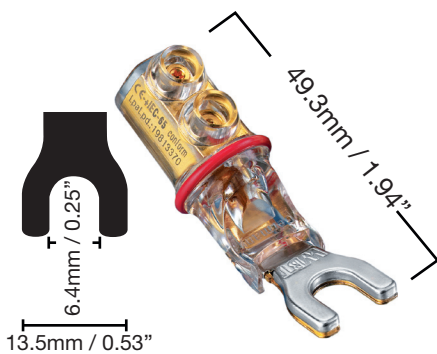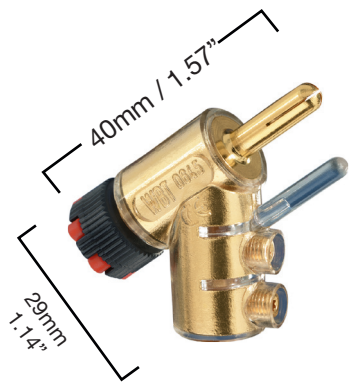
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SPEAKER CONNECTORS - RoHS COMPLIANT

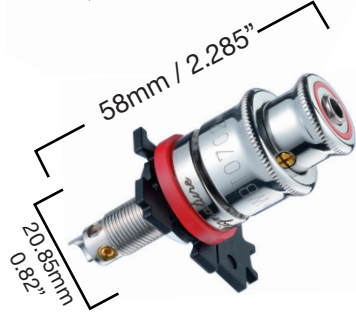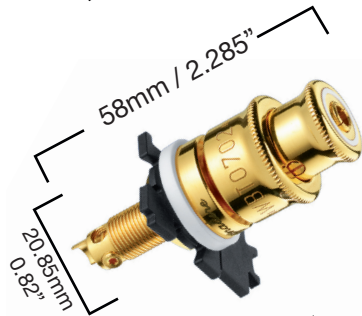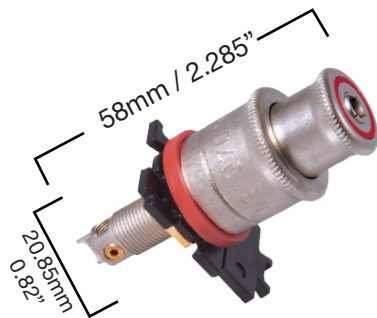### ILLUSTRATIONS NOT TO SCALE

49.3mm / 1.94"
6.4mm / 0.25"
13.5mm / 0.53"

CE COMPLIANT

WBT-0660Ag Signature

WBT-0660Ag-KIT
4 Plugs, 1 Torx™ key, boxed

1/4 inch / 6.4mm sandwich spade connector. Pure fine silver contact is direct platinum plated to protect against tarnish. High current spade lug with elastomeric shock absorber for progressive contact pressure eliminating structure born and air born noise as well as magnetostriction. Fully insulated body is safe to use and conforms to international safety standards. Easy fit for wire sizes up to $10mm^2$ / 8AWG.

49.3mm / 1.94"
8.1mm / 0.33"
13.5mm / 0.53"

CE COMPLIANT
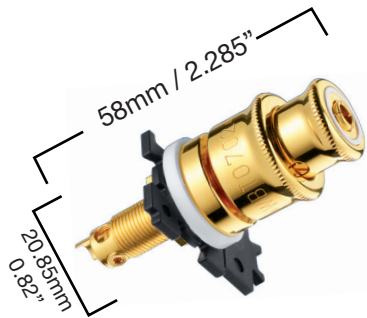
WBT-0680Ag Signature

WBT-0680Ag-KIT
4 Plugs, 1 Torx™ key, boxed

Same as the WBT-0660Ag but in a larger size of 5/16 inch / 8.1mm sandwich spade connector. Pure fine silver contact is direct platinum plated to protect contact metal from tarnish. Easy fit for wire sizes up to $10mm^2$ / 8AWG.
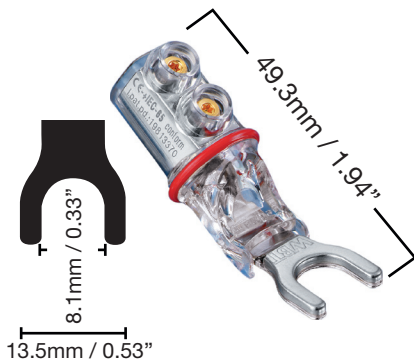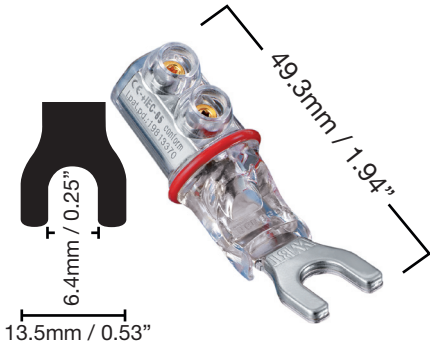
At a Glance Speaker Connector Comparison Chart

SPEAKER CONNECTORS	Final body finish	External plating, layers & thickness	Metallurgic properties of signal contact area	Properties of connector body	Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0600	24k gold plated	nickel free 5 layers Cu 11µm duplex Pd 4µm Au 0.3µm duplex	68% oxygen free copper alloy	68% oxygen free copper alloy	●	●		●						○		●
WBT0644	24k gold plated	3 layers Cu1.5µm Ni 8.0µm Au 0.2µm	52% oxygen free copper alloy	52% oxygen free copper alloy	●	●		●						○		●
WBT0645	Makrolon™ over 24k gold plating	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	55% oxygen free copper alloy	55% oxygen free copper alloy CE and IEC 65 compliant		●		●						○		●
WBT0660Cu	Makrolon™ over 24k gold plating	24k gold plating	99.996% copper	3 part: brass cage, pure CU contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0680Cu	Makrolon™ over 24k gold plating	24k gold plating	99.996% copper	3 part: brass cage, pure CU contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0660Ag	Makrolon™ over platinum plating	platinum plating	pure fine silver	3 part: brass cage, pure Ag contact, stainless steel former CE and IEC 65 compliant		●		●						○		●
WBT0680Ag	Makrolon™ over platinum plating	platinum plating	pure fine silver	3 part: brass cage, pure Ag contact, stainless steel former CE and IEC 65 compliant	●	●		●						○		●

Termination

Available marking colors for Multichannel identification

WBT

BINDING POSTS - RoHS COMPLIANT
ILLUSTRATIONS NOT TO SCALE

58mm / 2.285"
20.85mm
0.82"

	Retail
WBT-0702.01 Topline	$53.00
WBT-0702.01-KIT 2 posts, 1 Torx™ key, boxed	$110.00

With a 400 ampere continuous current capability, this is the perfect size binding post for demanding applications. A patented clamping mechanism makes it possible for high compression connection of spades and crimped wire ends up to 6mm^2 (10AWG). By means of a collet chucking device, any 4mm^2 banana plug can be securely clamped. Milled grooves on both sides of the compression plate provide high strength for connection of spades. No tools are required to provide a secure connection. Finger tightening is all that is required. This connector will not fit on 3/4" or 19mm center to center spacing.

58mm / 2.285"
20.85mm
0.82"

WBT-0702.03 Topline	$51.00
WBT-0702.03-KIT 2 posts, 1 Torx™ key, boxed	$106.00

Same as above (WBT-0702.01) but with a glass bead blasted finish in velours chromium. Looks like sand blasted nickel.

58mm / 2.285"
20.85mm
0.82"

WBT-0702.11 Signature	$64.00
WBT-0702.11-KIT 2 posts, 1 Torx™ key, boxed	$132.00

Comparable design as the WBT-0702.01 except it is manufactured using cold rolled 68% copper alloy. The connector is then plated with a single layer of 24k gold to protect against oxidation. Finally, it is polished by hand to give an extreme finish.

58mm / 2.285"
20.85mm
0.82"

WBT-0702.12 Signature	$64.00
WBT-0702.12-KIT 2 posts, 1 Torx™ key, boxed	$132.00

This binding post makes use of the same features as the WBT-0702.11 but with a highly polished platinum finish.

CE COMPLIANT

52mm / 2"
16.8mm
0.66"

WBT-0710Ag nextgen™ Signature	$60.00
WBT-0710Ag-KIT 4 posts, WBT™ solder, boxed	$244.00

A 30 ampere continuous current rating makes this connector sufficient for most audio functions. Made with passivated pure fine silver. Spade lugs measuring 6mm, standard 4 mm^2 banana plugs and wire with a diameter of 6mm^2 (10AWG) can be accepted. Maximum mounting depth of 4mm without use of puzzle washer. Recommended use with WBT mounting plates on page 17. Can be terminated with 6.1mm / 0.25 inch quick disconnect found on page 15.

Product List · Effective January 1, 2007

BINDING POSTS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

CE COMPLIANT

WBT-0710Cu nextgen™ Topline

WBT-0710Cu-KIT
4 posts, WBT™ solder, boxed

With the same manufacturing design as the WBT-0710Ag but created using 99.996% pure oxygen free copper. The connector is then plated with a single layer of 24k gold to protect against oxidation.

CE COMPLIANT

WBT-0710Cu mC nextgen™ Topline

WBT-0710Cu mC-KIT
4 posts, WBT™ solder, boxed

Brother to the WBT-0710Cu but with a velours chromium tightening nut.

WBT-0730.01 Topline

WBT-0730.01-KIT
4 posts, 2 spacer blocks, 1 Torx™ key, boxed

A 200 ampere continuous current rating makes this connector sufficient for most functions. Spade connectors are securely held with a patented high compression design. Wire with a diameter of 6mm^2 (10AWG) can also be accepted. Accepts 4 mm^2 banana plugs.

WBT-0730.11 Signature

WBT-0730.11-KIT
4 posts, 2 spacer blocks, 1 Torx™ key, boxed

With the same manufacturing design as the WBT-0730.01 but created using cold rolled 68% copper alloy. The connector is then plated with a single layer of 24k gold to protect against oxidation. Finally, it is polished by hand to give an extreme finish.

WBT-0730.12 Signature

WBT-0730.12-KIT
4 posts, 2 spacer blocks, 1 Torx™ key, boxed

Brother to the WBT-0730.11 but with a highly polished platinum finish.

CE COMPLIANT

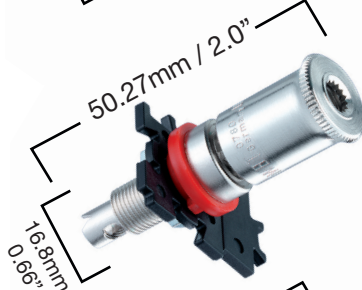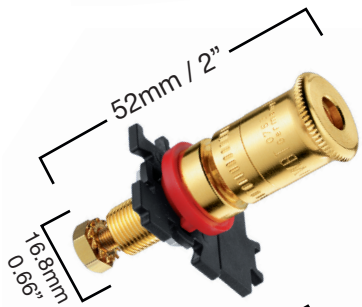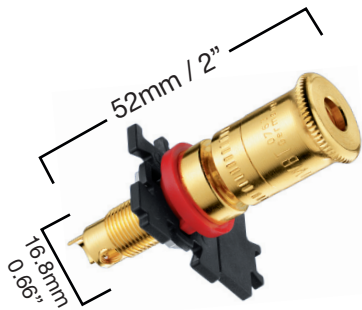### WBT-0735 Topline – Safety Line

WBT-0735-KIT
4 posts, 2 spacer blocks, 1 Torx™ key, boxed

Utilizing a full insulation of Makrolon®, this binding post is part of WBT's safety line and is a CE and IEC compliant version of the WBT-0730.01.

WBT

BINDING POSTS - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

52mm / 2"
16.8mm
0.66"
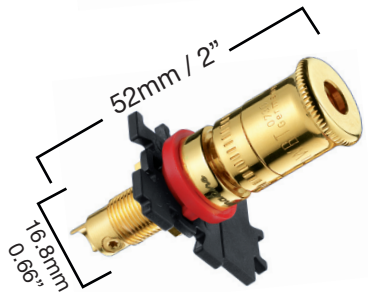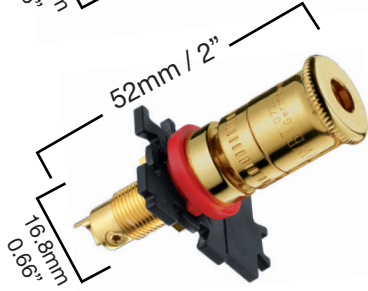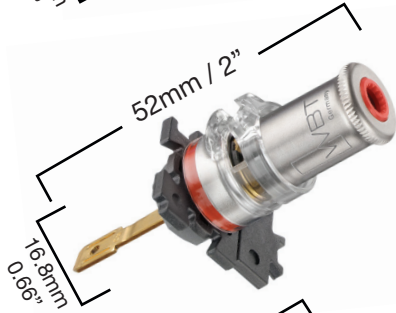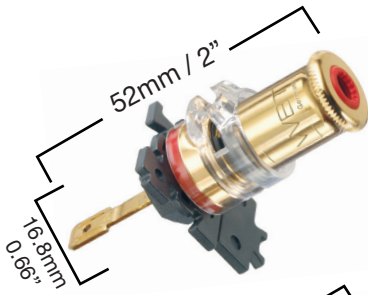
WBT-0763 Midline

WBT-0763-KIT
4 posts, WBT™ solder, boxed

A standard binding post for many high end amplifier and loudspeaker companies. This binding post features a patented rotating collar design that requires only finger tightening to securely fasten a spade. Able to handle 200 amperes of continuous current, this is just the right size binding post for nearly all applications. Set screw not included.

PCB MOUNT

52mm / 2"
16.8mm
0.66"

WBT-0764 Midline

WBT-0764-KIT
4 posts, WBT™ solder, boxed

Screw on printed circuit board version of the WBT-0763, can also accept ring terminal lugs.

CE COMPLIANT

53.55mm / 2.11"
18.6mm
0.73"

WBT-0765 Midline – Safety Line

WBT-0765-KIT
4 posts, WBT™ solder, boxed

Using full insulation of Makrolon®, this binding post is part of WBT's safety line and is a CE and IEC compliant version of the WBT-0763

CE COMPLIANT   **PCB MOUNT**

49.25mm / 1.94"
18.6mm
0.73"

WBT-0766 Midline – Safety Line

WBT-0766-KIT
4 posts, WBT™ solder, boxed

With the same characteristics as the WBT-0765 except this post is designed for direct mounting on printed circuit board with included bolt and lock washer.

PCB MOUNT

50.27mm / 2.0"
16.8mm
0.66"

WBT-0780 Economy

WBT's least expensive binding post model featuring a unique finish of velours chromium and is manufactured from brass. Available termination options include crimp, solder and bolt on printed circuit board. Crimp screw and set screw can be purchased separately.

CE COMPLIANT   **PCB MOUNT**

51.75mm / 2.04"
18.6mm
0.73"

WBT-0785 Economy – Safety Line

The WBT-0785 is a safety line version of the WBT-0780.

Product List · Effective January 1, 2007

BINDING POSTS - INCLUDES INSULATING WASHER AND SET NUT

ILLUSTRATIONS NOT TO SCALE

At a Glance Binding Post Comparison Chart						Termination			Available marking colors for Multichannel identification								
All terminals can be installed at 90° steps, 30° and 45° steps when used with WBT-9404 — 8.5 Nm torque = 6.273 Ft Lbs, 1.1 Nm torque = 0.8118 Ft Lbs																	
BINDING POSTS	**Final body finish**	**External Plating, layers & thickness**	**Maximum Cable diameter accepted**	**Metallurgic properties**	**Special Notes**	Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0702.01	24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm² banana 1/4" spade 5/16" spade 10 AWG	68% oxygen free copper alloy	locking collet for 4mm² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.03	velours chromium	glass bead blasted 1 layer Ni 5.0µm	4mm² banana 1/4" spade 5/16" spade 10 AWG	68% oxygen free copper alloy	locking collet for 4mm² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.11	24k gold (highly polished)	1 layer Au 0.3µm	4mm² banana 1/4" spade 5/16" spade 10 AWG	68% cold rolled oxygen free copper alloy	locking collet for 4mm² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0702.12	platinum (highly polished)	1 layer Pt 0.3µm	4mm² banana 1/4" spade 5/16" spade 10 AWG	68% cold rolled oxygen free copper alloy	locking collet for 4mm² bananas recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0710Ag	CE-compliant Tedur™	none	4mm² banana 1/4" spade 5/16" spade 10 AWG	100% pure fine silver passivated	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0710Cu	CE-compliant Tedur™	none	4mm² banana 1/4" spade 5/16" spade 10 AWG	99.996% oxygen free copper plated with 24k Au	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0710CumC	CE-compliant Tedur™	none	4mm² banana 1/4" spade 5/16" spade 10 AWG	99.996% oxygen free copper plated with 24k Au	Internal pressure damping ring maximum mounting depth is 4mm	●	●		●						○		●
WBT0730.01	24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm² banana 1/4" spade 10 AWG	68% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0730.11	24k gold (highly polished)	1 layer Au 0.3µm	4mm² banana 1/4" spade 10 AWG	68% cold rolled oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0730.12	platinum (highly polished)	1 layer Pt 0.3µm	4mm² banana 1/4" spade 10 AWG	68% cold rolled oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0735	CE-compliant Makrolon™ over 24k gold	nickel free 3 layers Cu 11µm Pd 4µm Au 0.3µm	4mm² banana 1/4" spade 10 AWG	68% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0763	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	4mm² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●
WBT0764	24k gold	3 layers Cu 1.5µm Ni 8.0µm Au 0.2µm	4mm² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm	●		●	●						○		●
WBT0765	CE-compliant Makrolon™ over 24k gold	3 layers Cu 11µm Ni 4.0µm Au 0.3µm	4mm² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm	●	●		●						○		●

WBT

BINDING POST CONTINUED

ILLUSTRATIONS NOT TO SCALE

At a Glance Binding Post Comparison Chart Continued							Termination			Available marking colors for Multichannel identification								
All terminals can be installed at 90° steps, 30° and 45° steps when used with WBT-9404 8.5 Nm torque = 6.273 Ft Lbs, 1.1 Nm torque = 0.8118 Ft Lbs																		
BINDING POSTS	Final body finish	External plating, layers & thickness	Maximum cable diamater accepted	Metallurgic properties	Special Notes		Solder	Crimp	PCB Mount	Red	Orange	Yellow	Green	Blue	Violet	White	Grey	Black
WBT0766	CE-compliant Makrolon™ over 24k gold	3 layers Cu 11μm Ni 4.0μm Au 0.3μm	4mm² banana 1/4" spade 10 AWG	52% oxygen free copper alloy	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm		●		●	◉						○		●
WBT0780	velours chromium	glass bead blasted 1 layer Ni 5.0μm	4mm² banana 1/4" spade 10 AWG	brass	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm		●	●	●	◉						○		●
WBT0785	CE-compliant Makrolon™ over velours chromium	glass bead blasted 1 layer Ni 5.0μm	4mm² banana 1/4" spade 10 AWG	brass	recommended torque for counter nut: 8.5Nm recommended torque for PCB bolt, 1.1Nm		●	●	●	◉						○		●

BINDING POST ACCESSORIES - RoHS COMPLIANT

WBT-0715 Extension bolt

Extension piece used with WBT binding posts to accommodate mounting into material with a thickness from 9mm - 50mm / (0.35" - 2"). Comes with mounting nut and aggressive lock washer. This piece is machined of brass.
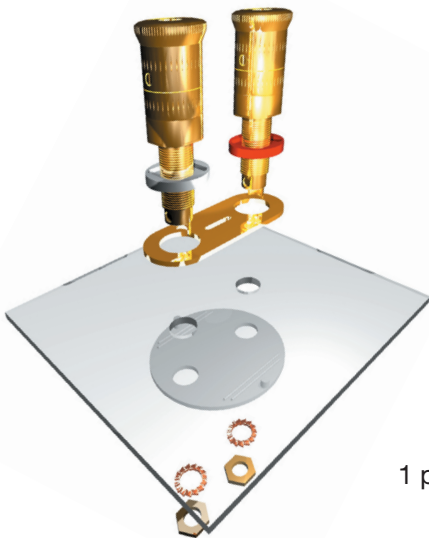
WBT-0716 Thick panel mounting kit
Gold plated finish

WBT-0719 Thick panel mounting kit
Chromium Velours finish

Suggested use requires counter sinking of cabinet with a router or 50mm Forstner drill bit.
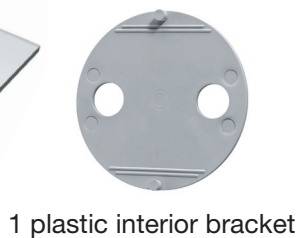
1 plastic interior bracket

1 gold-plated brass exterior bracket
or
1 velours chromium exterior bracket

2 fan shaped washers

Retail Price List · Effective January 1, 2007

BINDING POST ACCESSORIES CONTINUED

ILLUSTRATIONS NOT TO SCALE

	Retail
WBT-0799 Safety Stick	$0.50

Specially shaped plastic peg inserts into binding post banana hole. Required to accomplish CE safety conformity (red, white & black).

WBT-9404 Spacer Block – 3/4" (19mm) spacing	$3.00

Fits all binding posts except WBT-0702 and WBT-0710 series. Plastic insulating spacer block. Available in red, white, or black. Post can adjust in angle every 30 or 45 degrees.

WBT-0721 PCB Adapter Block	$6.00

Fastens horizontally or vertically to circuit board with included bolt and lock washer. Torx™ screw fastens jumper wire, other end of lead wire connects to binding post.

WBT-9102 Antifatigue Bolt	$2.00

Antifatigue bolt with fan shape washer. Used with WBT-0780 and WBT-0785.

WBT-9150 Fan Shape Lock Washer	$1.00

Recommended addition to all WBT binding posts.

WBT-9302 Chrome Plated Counternut, M9 thread	$1.00

Specialty nut only available from WBT.

WBT-9303 Gold Plated Counternut, M9 thread	$2.00

Specialty nut only available from WBT.

Replacement T-6 Torx™ Set Screws	$2.00

Available 4mm - 8mm lengths. Please specify length when ordering.

WBT-QD25	$0.30

Gold plated brass quick disconnect for use with WBT-0710 series binding posts. Allows solder free connection to binding post.
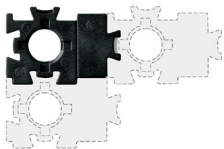
WBT-9410	$2.00

To take best advantage of the puzzle washers, at least two should be clipped together. They can be arranged to obtain either 0.75" (19mm) or 1.181" (30mm) spacing. The puzzle washer allows a very tight terminal installation on housings from 0.1mm - 10mm thickness.

WBT

MOUNTING PLATES & ASSEMBLIES - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

110mm

110mm

WBT-0540.05 Shown

WBT-0510.05 Two post assembly
Clear anodized aluminum finish.

WBT-0510.06 Two post assembly
Black anodized finish.

Anodized aluminum plate with two WBT-0763 Midline posts.
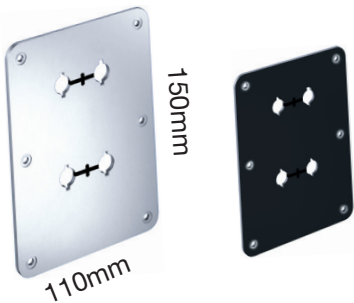Includes a closed cell foam rubber gasket and 4 wood screws.

WBT-0520.05 Two post assembly
Clear anodized aluminum finish.

WBT-0520.06 Two post assembly
Black anodized finish.

Anodized aluminum plate with two WBT-0765 safety line posts.
Includes a closed cell foam rubber gasket and 4 wood screws.

WBT-0540.05 Two post assembly
Clear anodized aluminum finish.

WBT-0540.06 Two post assembly
Black anodized finish.

Anodized aluminum plate with two WBT-0710Cu safety line
posts. Includes a closed cell foam rubber gasket and 4
wood screws.

150mm

110mm

WBT-0541.05 Shown

WBT-0511.05 Four post assembly
Clear anodized aluminum finish.

WBT-0511.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0763 Midline posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0521.05 Four post assembly
Clear anodized aluminum finish.

WBT-0521.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0765 safety line posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0541.05 Four post assembly
Clear anodized aluminum finish.

WBT-0541.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0710Cu safety line
posts. Includes a closed cell foam rubber gasket and 6
wood screws.

MOUNTING PLATES & ASSEMBLIES - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE

178mm

127mm

WBT-0542.05 Shown

WBT-0512.05 Four post assembly
Clear anodized aluminum finish.

WBT-0512.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0763 Midline posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0522.05 Four post assembly
Clear anodized aluminum finish.

WBT-0522.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0765 safety line posts.
Includes a closed cell foam rubber gasket and 6 wood screws.

WBT-0542.05 Four post assembly
Clear anodized aluminum finish.

WBT-0542.06 Four post assembly
Black anodized finish.

Anodized aluminum plate with four WBT-0710Cu safety line
posts. Includes a closed cell foam rubber gasket and 6
wood screws.

110mm

110mm
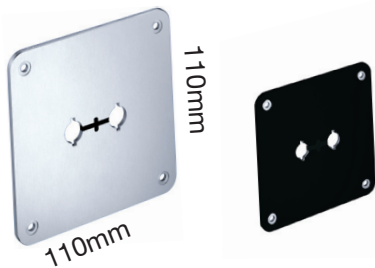
WBT-0530.05
Clear anodized aluminum finish.

WBT-0530.06
Black anodized finish.

Punched for 2 posts. Includes a closed cell foam rubber gasket
and 4 wood screws.

150mm

110mm

WBT-0531.05 (Bi-Wire)
Clear anodized aluminum finish.

WBT-0531.06 (Bi-Wire)
Black anodized finish.

Punched for 4 posts. Includes a closed cell foam rubber gasket
and 6 wood screws.

178mm

127mm
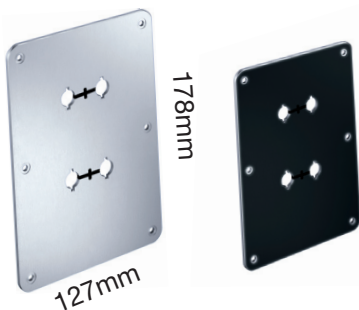
WBT-0532.05 (Bi-Wire)
Clear anodized aluminum finish.

WBT-0532.06 (Bi-Wire)
Black anodized finish.

Punched for 4 posts. Includes a closed cell foam rubber gasket
and 6 wood screws.

Custom Laser engraving of graphics and/or text
available for all Mounting Plates. Call for Pricing.

WBT

POWER BRIDGE JUMPER - RoHS COMPLIANT

ILLUSTRATIONS NOT TO SCALE
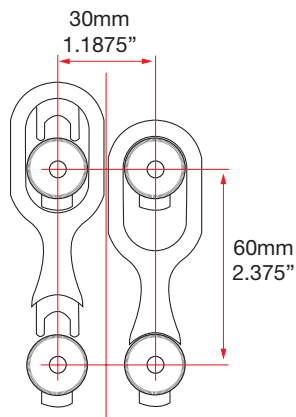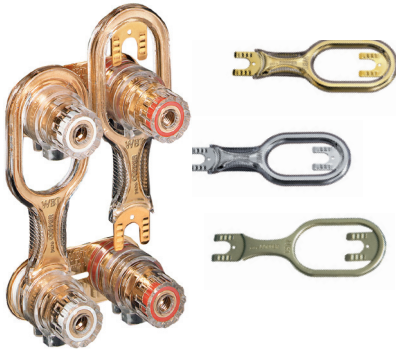
	Retail
WBT-0725 Cu Power Bridge - Safety Line Pure copper, gold plated	$17.00
WBT-0725 Ag Power Bridge - Safety Line Pure silver, platinum plated	$34.00
WBT-0726 Economy Power Bridge Pure copper, velour chromium plated Non-insulated and not vibration damped	$8.00

30mm
1.1875"

60mm
2.375"

Designed primarily for the OEM market to meet strict European CE safety standards, the WBT-0725 Cu/Ag Power bridge replaces the brass jumpers found as standard equipment on most speakers.

Uninsulated jumpers are no longer legal in Europe as they pose a shock threat due to lack of insulation. The WBT Power Bridges address this problem as they are fully insulated with Makrolon® plastic for shock protection and, because both terminals are removed at the same time, the "live-wire" situation is avoided. The back of the Power Bridge is damped with an elastomer to minimize vibration.

Power Bridges can be used in conjunction with any WBT™ binding post (except the WBT-0702 series). When purchased with WBT™ posts, Power Bridges make an excellent modification to any bi-wire loudspeaker. Please refer to the diagram to the left for required mounting dimensions. These dimensions are the only that work. The WBT power bridges are not flexible.

Tools

	Retail
WBT-0198 nextgen™ assembly tool	$3.00

Used for the unassembly and assembly of nextgen series of RCA type plugs. One tool is all that is required.

	Retail
WBT-0299 RCA Socket Wrench	$44.00

Specially designed for tightening the metal mounting nut on WBT™ RCA type sockets. Spike on tool fits into hole in mounting nut. Permits tightening without scratching the nut or socket.

WBT-0717 Holding Tool	$65.00

Used when mounting binding posts. Snaps into the two posts and holds them in alignment. The WBT-0717 also prevents the posts from rotating while tightening the nuts.

WBT-0499 Cutting Shears	$90.00

Shears cut through fine stranded copper cable up to #5AWG with a cleaving action for a clean even cut. Gold plating protects against corrosion. With a little practice, also good for stripping speaker cable.

Product List • Effective January 1, 2007

TOOLS CONTINUED

ILLUSTRATIONS NOT TO SCALE

WBT-0403 Crimping Pliers

Crimping pliers with special multiple spike jaw. The only tool designed to correctly crimp WBT™ crimp sleeves. Gold plating protects against corrosion. Comfortable, platic-coated grip.

WBT-0411 Crimp KIT

Includes one WBT-0403 crimping pliers and an assortment of copper crimp sleeves in a convenient carrying case. Silver sleeves sold separately. Copper sleeves included with the WBT-0411 are as follows:

20 pcs	WBT-0430	20 AWG (uninsulated)	20 pcs	WBT-0442	14-13 AWG
20 pcs	WBT-0431	18-19 AWG (uninsulated)	20 pcs	WBT-0443	11-12 AWG
20 pcs	WBT-0432	17 AWG (uninsulated)	20 pcs	WBT-0444	9-10 AWG
20 pcs	WBT-0433	15-16 AWG (uninsulated)	10 pcs	WBT-0445	7-8 AWG

WBT-0488 Torx™ Key

T-6 size fits all WBT™ set screws. For temporary use only.

WBT-0481 Torque Screwdriver

The WBT-0481 is a precision torque screwdriver with an elegant design. Torque is set to 5 dNm for precise tightening of all WBT parts utilizing the Torx™ T-6 size. 4mm^2 hole in the end for the attachment of a ground lead, if a static electricity ground is needed. Includes one T-6 Torx™ bit.

WBT-0490 Torque Screwdriver Set

This kit includes one WBT-0481 Dyna-key along with the WBT-0484 bit assortment in a jewel case for keeping it all together. Additional bits are available separately. (see below)

WBT™ BITS FOR TORQUE SCREW DRIVER
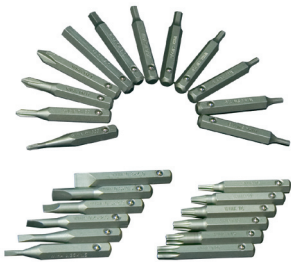
WBT-0485 SLOT BITS —	WBT-0485 PHILLIPS BITS +	WBT-0485 TORX™ BITS ✸	WBT-0485 HEX BITS ⬢
Available Sizes	Available Sizes	Available Sizes	Available Sizes
1.5mm	**000**	**T6**	**1.3mm — 0.050"**
2.0mm	**00**	**T7**	**1.5mm — 0.059"**
2.5mm	**0**	**T8**	**1.59mm — 1/16"**
3.0mm	**1**	**T10**	**2.0mm — 5/64"**
3.5mm*		**T15 ***	**2.38mm — 3/32"**
4.0mm*		**T20 ***	**2.5mm — 0.098"**
			3.0mm*— 0.118"
			4.0mm*— 0.157"
*Not included in the WBT-0484 Bit-Set. Special Order Only.			

WBT-0484 Bit-Set
Bit Set (18 types).

WBT-0485/XXX
Choice of any one bit from the above list.

WBT

WBT SOLDER

ILLUSTRATIONS NOT TO SCALE

WBT™ 4% SILVER SOLDER (Lead based)

All WBT™ Solder is the highest quality solder with 4% fine silver content. The halogen-free flux is gentle on precious metal surfaces. The melting temperature is extremely low at 180℃ / 356℉.

WBT-0800 Silver Solder 4% Ag

| 0.9mm diameter | 42grams / 0.123 lbs. | 10m / 32.8 ft |

WBT-0820 Silver Solder 4% Ag

| 0.8mm diameter | 250grams / 0.575 lbs. | 73m / 239 ft |

WBT-0840 Silver Solder 4% Ag

| 1.2mm diameter | 500grams / 1.140 lbs. | 57m / 187 ft |

WBT™ LEAD Free 4% SILVER SOLDER - RoHS COMPLIANT (Tin based)

WBT™ Lead free solder is the highest quality solder with 4% fine silver content. The halogen-free flux is gentle on precious metal surfaces. The melting temperature is easily accomplished at 219℃ / 426℉.

WBT-0805 Silver Solder 4% Ag

| 0.9mm diameter | 42grams / 0.123 lbs. | 10m / 32.8 ft |

WBT-0825 Silver Solder 4% Ag

| 0.8mm diameter | 250grams / 0.575 lbs. | 73m / 239 ft |

WBT-0845 Silver Solder 4% Ag

| 1.2mm diameter | 500grams / 1.140 lbs. | 57m / 187 ft |

WBT

Product List • Effective January 1, 2007

CRIMP SLEEVES - RoHS COMPLIANT

ILLUSTRATIONS ARE TO SCALE

WBT™ cable end sleeves are made of special oxygen free copper or pure fine silver. Available in all standard sizes from 0.5mm² - 16mm², also with transparent insulation collar from 1.5mm² - 16mm². Insulated sleeves provide additional cable strain relief. Available in bulk bags, assortments or single pieces. Copper sleeves are 24k gold plated and silver sleeves are platinum plated.

WBT™ Crimp Sleeves

	mm²	AWG	
WBT-0430	0.5	#20	
WBT-0431	0.75	#19	
WBT-0432	1.0	#17	
WBT-0433	1.5	#16	
WBT-0434	2.5	#14	
WBT-0435	4.0	#12	
WBT-0436	6.0	#10	
WBT-0437	10.0	#8	
WBT-0438	16.0	#6	

WBT™ Crimp Sleeves with Insulated Collar

	mm²	AWG	
WBT-0441	1.5	#16	
WBT-0442	2.5	#14	
WBT-0443	4.0	#12	
WBT-0444	6.0	#10	
WBT-0445	10.0	#8	
WBT-0446	16.0	#6	

WBT™ Silver Crimp Sleeves with Insulated Collar

	mm²	AWG	
WBT-0450	1.5	#16	
WBT-0451	2.5	#14	
WBT-0452	4.0	#12	
WBT-0453	6.0	#10	

WBT-0470 Crimp Sleeve Assortment

1 bag each of WBT-0430, 31, 32, 33, 34, 41 & 42

WBT-0471 Crimp Sleeve Assortment

1 bag each of WBT-0435, 36, 37 & 38

WBT-0472 Crimp Sleeve Assortment

1 bag each of WBT-0443, 44, 45 & 46

Assortments are packaged in plastic dispensers as shown.

RCA TYPE CONNECTOR TIGHTENING INSTRUCTIONS

Step 1
Loosen barrel of the male connector.

Connector barrel

Connector body

Turn here   Hold here

Step 2
Insert the connector into the socket.

RCA type socket   Connector assembly

Step 3
Hold the connector body and tighten the barrel.

WARNING: To prevent damage to cable and/or socket, turn barrel only, do not allow connector body to turn! Do not over tighten!
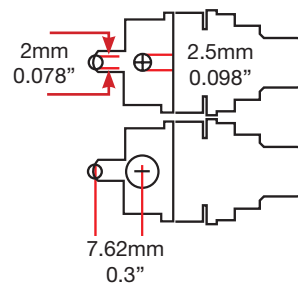
Turn here   Hold here

REMEMBER TO REVERSE ABOVE STEPS WHEN REMOVING THE CONNECTORS. Failure to properly unlock the connector may result in equipment damage!

RCA Socket Mounting Dimensions

WBT-0234

17.78mm 0.7"

7.62mm 0.3"

5.08mm 0.2"   5.08mm 0.2"

WBT-0274

2mm 0.078"   2.5mm 0.098"

7.62mm 0.3"
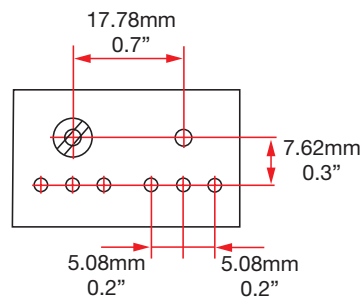
All WBT RCA Type Sockets require the following mounting hole dimensions

12mm 0.47"

17.78mm 0.7"   8.5mm 0.33"

2.4mm / 0.09"

7.75mm 0.31"

11.5mm 0.45"

WBT
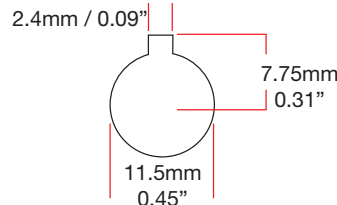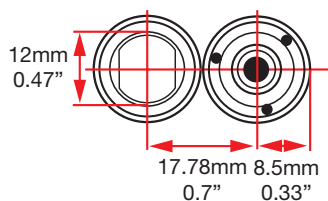
WBT-0645 Install Instructions

Tightening knob
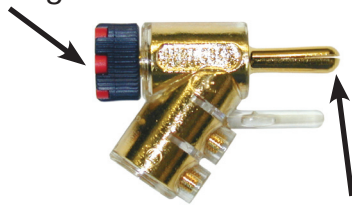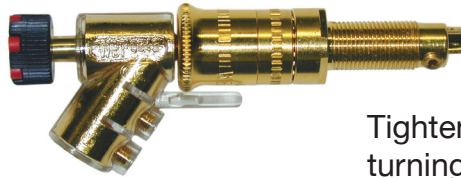
NOTICE:
Expanded pin when tightened

Remember to reverse above steps when removing the connector. Failure to properly unlock the connector may result in equipment, cable, or connector damage!

Step 1
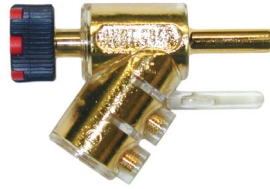
Loosen tightening knob. Insert into the connector.

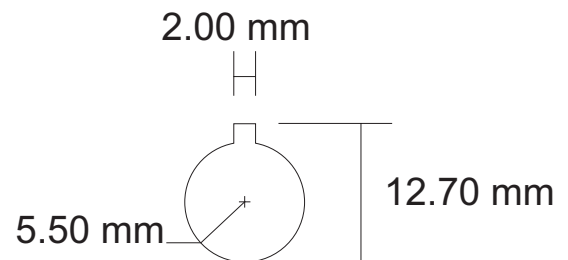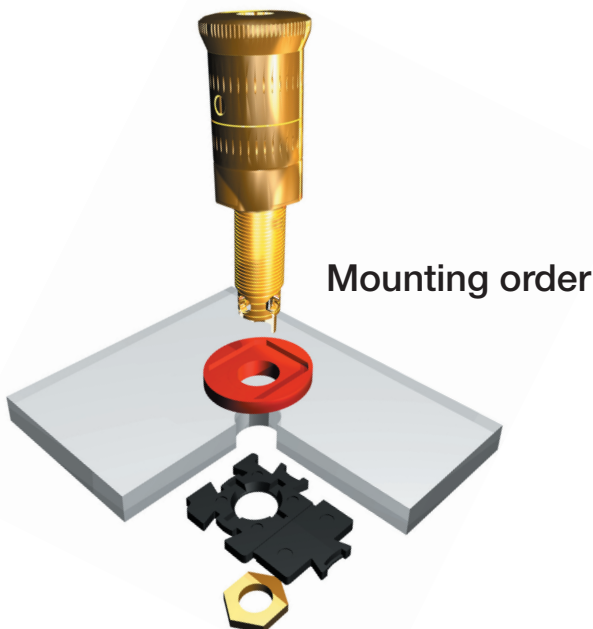**Step 2**

Tighten the knob by turning clockwise.

Step 3

After tightened, the connector should look like this.

WARNING! Do not fully tighten knob unless inserted into banana hole.

Binding Post Assembly

Mounting order

2.00 mm

12.70 mm

5.50 mm

Binding post hole cutout dimensions for insulation washer (measurements in mm)

WBT

## CRIMPING TECHNIQUE

ILLUSTRATIONS NOT TO SCALE

WBT's crimping technique has been designed to ensure a high quality and durable crimp. For the procedure itself, one must strip the desired cable and insert it into the proper size crimp sleeve. Then, carefully place the wire and sleeve into the proper slot on the crimper and apply a powerful squeeze. WBT's unique crimp tool design creates a crescent shaped crimp which forces the wire to flow together, thus creating the illusion of a single strand of wire. Trim the sleeve, including the wire, to the desired length to fit the application. When using one of WBT's solderless connectors, simply loosen the set screw on the connector then insert the crimped end of the cable into the connector, tighten using the Torx™ bit.
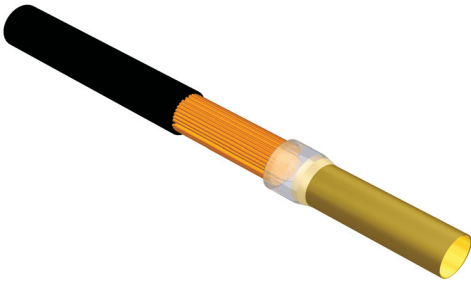
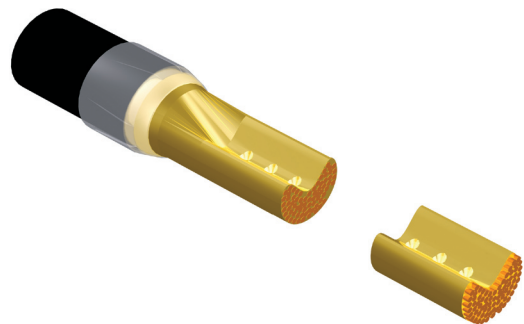Wire is stripped and the appropriate size crimp sleeve is slid onto the strands.

Sleeve is then crimped onto wire with crimping pliers.
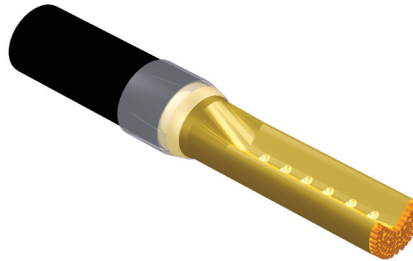
The result should look like this.

Use WBT-0499 cutters to trim crimped wire end to fit in WBT™ crimp technique connector.

Crimped cable end ready for use in WBT™ crimp technique connectors.