

The Earnhart Company

Series Selection Guide and 2025 Catalog

v1.1 August 2025





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About us

At The Earnhart Company, we *constantly innovate*. This drives our company forward, and it's what allows you to perform on a mouthpiece that is designed specifically for your needs using the most novel research and development in our industry. By offering **Series**, you gain access to innovation as it happens, while still being able to purchase legacy models that have proven their effectiveness across styles and performers.

Want to try before you buy? Visit the “Test Kits” page of this catalog.

About this catalog

Jack Earnhart is a professional musician, serial entrepreneur, and clinical translational scientist. His effectiveness in each industry depends on providing *concise information*, delivered in a way that is effectively understood and internalized, *quickly*. Because of this, your catalog has been designed to be *simple* and *intuitive*. **This is a live catalog—real data and feedback is constantly updated.** No need to wonder if a model is still in production—we update statistics, top sellers, and information as often as possible so you can be as most informed as possible when making your purchase.

The design process

from Jack Earnhart:

My design process leverages cutting-edge technology, years of industry experience, and expertise from parallel fields to create mouthpieces that exceed your expectations. I am a trained professional musician (euphonium and organ) with postgraduate studies centered in translational biomedical science and performing arts medicine. As a corequisite to these fields, I have a broad and functional knowledge of statistical applications and an array of signal processing techniques.

When you purchase one of my products, you're receiving the culmination of my passion for helping musicians excel, turned down to three inches of brass. Operating across multiple industries gives me a unique and valuable perspective of emerging technologies, and I'm proud to be an early adopter of artificial intelligence in our music industry. I use this novel technology to *augment* the capabilities of my design and manufacturing processes. I have also engineered many custom tools to – literally – make mouthpieces better.

I have created multiple test kits for performers of all genres; effectively a 'try before you buy' option while also functioning as a baseline test for those seeking custom options. I also have developed a binary pneumatic valve for rapid sensory testing of mouthpiece throat diameter variations.

All this said, whether you purchase a standard Concept Model or elect to design your own artist model as a full custom mouthpiece, I am glad that you've chosen my company—you won't be disappointed in the results.

Contents

Concept Models – Standard Mouthpieces

Custom Solutions

Test Kits

Alterations

Trombone Trigger Thumb Rests

Instruments

We offer mouthpieces for:

Trumpet, Cornet, and Flugelhorn (September 2025)

Horn

Trombone

Euphonium

Tuba

Step 1: Rim Size

Select a rim size for your mouthpiece. We are pleased to offer any rim size or contour as a custom modification for no additional charge. It's the 21st Century. Not sure which size? Contact the shop via email at info@earnhartcompany.com and we will be glad to help you.

Step 2: Internal Geometry

We use **Series** to allow constant additions to our catalog. Series have descriptions attached, which indicate a.) the goal of design b.) what you might expect from a mouthpiece in a Series. The current most popular Series/Model Combo is listed in **Gold**. Use this as a starting point for consideration, not instruction on which model to purchase.

Innovation is constant at The Earnhart Company—you gain access to innovation as it happens, while still being able to purchase legacy models that have proven their effectiveness across styles and performers. We maintain digital archives of all models, so you never have to worry about discontinued models.



Step 2a: Shank

All Earnhart mouthpieces are made to order – your shank specifications can be notes in the checkout location online.

Step 3: Custom Options

We offer custom engraving, plating (silver standard, plus gold and rhodium), and finishing (sand blasted with polished rim standard, full polish and full sand blast). For a full list of prices, visit the “Price List” at the end of the catalog.



Horn Mouthpieces: 150 USD

Step 1: Choose a Rim

0.680 in / 17.27 mm

0.690 in / 17.53 mm

0.700 in / 17.78 mm

0.710 in / 18.03 mm

The standard rim profile has unique geometry that mimics to the natural slope of the dental anatomy, and has been complimented by multiple performers as being very comfortable. We are pleased to offer any rim size or contour as a custom modification for no additional charge. It's the 21st Century. Not sure which size? Contact the shop via email at info@earnhartcompany.com and we will be glad to help you.

Step 2: Choose an Internal Geometry

Series A: Designed to cover all aspects of general playing demands.

H-A1.1: Designed from data collected on horn mouthpieces—a true ‘average’ of multiple parameters taken, then optimized, makes this mouthpiece versatile.

H-A1.2: Similar to the H-A1.1, with an internal configuration based off a ‘shallower cup’.

H-A1.3: Similar to the H-A1.1, with an internal configuration based off a ‘deeper cup’.

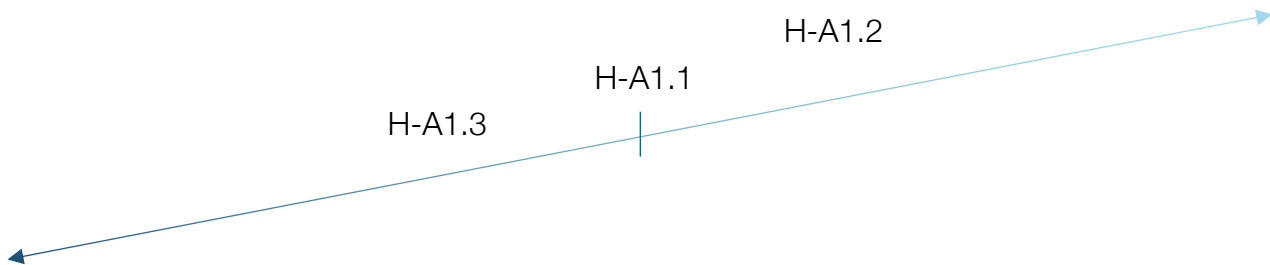


Step 2a: Shank

All Earnhart mouthpieces are made to order – your shank specifications can be notes in the checkout location online.

Series Comparison

Research interest: The δ (delta) number is a dynamic internal labeling system which we use in-shop to objectively compare mouthpiece qualities using qualitative and quantitative data. Generally, a mouthpiece with a higher δ is perceived as ‘brighter’. Mouthpieces in the middle of this graph are good options for players seeking an “all-around” mouthpiece. We update these measurements based on real-time feedback from players, so you can hear it directly from your colleagues — interesting, right? If you have any questions about your selection, don’t hesitate to contact the shop via email at info@earnhartcompany.com and we will be glad to help you.



Trombone Mouthpieces: 210 USD

Step 1: Choose a Rim

1.010 in / 25.65 mm

1.020 in / 25.91 mm

1.030 in / 26.16 mm

1.040 in / 26.42 mm

The standard rim profile has unique geometry that mimics to the natural slope of the dental anatomy, and has been complimented by multiple performers as being very comfortable. We are pleased to offer any rim size or contour as a custom modification for no additional charge. It's the 21st Century. Not sure which size? Contact the shop via email at info@earnhartcompany.com and we will be glad to help you.

Step 2: Choose an Internal Geometry

Series A: Two different models, designed to cover all aspects of general playing demands.

TT-A1.1: Designed from data collected on trombone mouthpieces—a true 'average' of multiple parameters taken, then optimized, makes this mouthpiece versatile.

TT-A1.2: Similar to the TT-A1.1, with an internal configuration based off a 'shallower cup'.



Series B: Engineered for leadership roles in ensemble settings and solo roles. This mouthpiece was designed for continued playing in and above the staff.

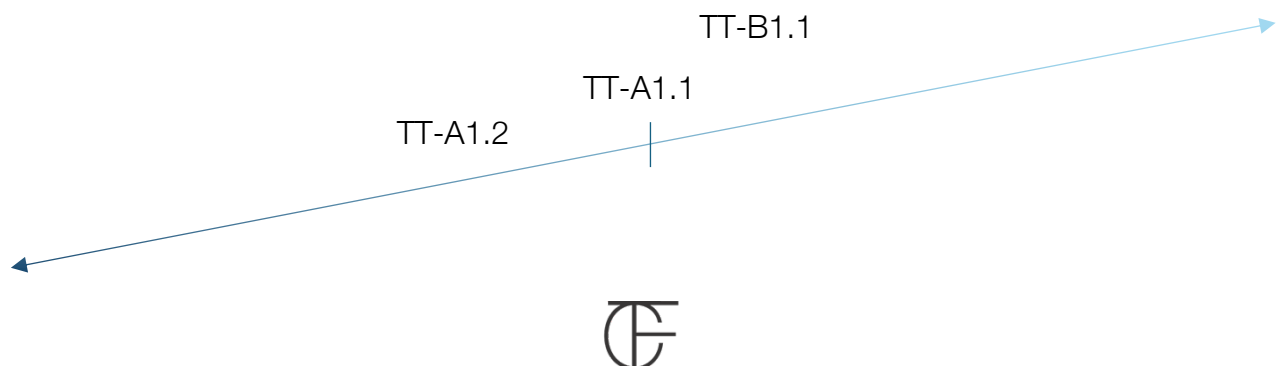
TT-B1.1: Brighter sound, internal geometry designed to ‘reinforce’ continued middle/upper range performance.

Step 2a: Shank

All Earnhart mouthpieces are made to order – your shank specifications can be notes in the checkout location online.

Series Comparison

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Euphonium Mouthpieces: 210 USD

Step 1: Choose a Rim

1.010 in / 25.65 mm

1.020 in / 25.91 mm

1.030 in / 26.16 mm

1.040 in / 26.42 mm

The standard rim profile has unique geometry that mimics to the natural slope of the dental anatomy, and has been complimented by multiple performers as being very comfortable. We are pleased to offer any rim size or contour as a custom modification for no additional charge. It's the 21st Century. Not sure which size? Contact the shop via email at info@earnhartcompany.com and we will be glad to help you.

Step 2: Choose an Internal Geometry

Series A: Two different models, designed to cover all aspects of general playing demands.

EU-A1.1: Designed from the ground up, and optimized for euphonium—a medium deep cup and corresponding geometries make this a good choice for most players.

EU-A1.2: Also designed from the ground up, similar to the EU-A1.1 but with geometry for those desiring a darker timbre.



Series B: A unique cup geometry provides excellent clarity and proven response.

EU-B1.1: Medium deep cup.

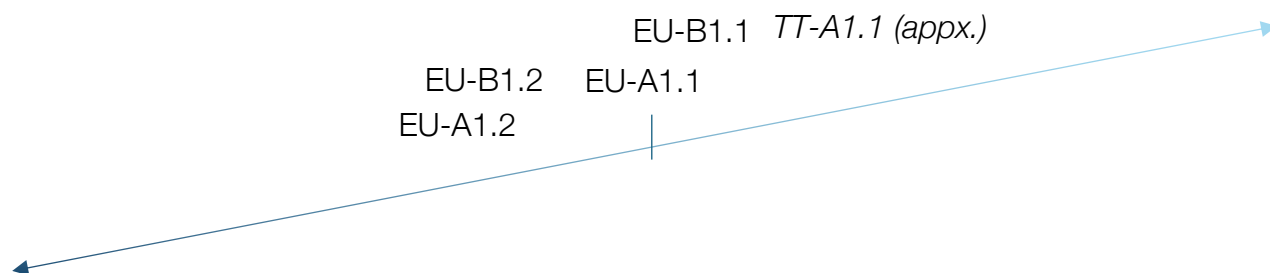
EU-B1.2: Deep cup.

Step 2a: Shank

All Earnhart mouthpieces are made to order – your shank specifications can be notes in the checkout location online.

Series Comparison

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Tuba Mouthpieces: 230 USD

Step 1: Choose a Rim

1.280 in / 32.51 mm

1.290 in / 32.77 mm

1.300 in / 33.02 mm

1.310 in / 33.27 mm

The standard rim profile has unique geometry that mimics to the natural slope of the dental anatomy, and has been complimented by multiple performers as being very comfortable. We are pleased to offer any rim size or contour as a custom modification for no additional charge. It's the 21st Century. Not sure which size? Contact the shop via email at info@earnhartcompany.com and we will be glad to help you.

Step 2: Choose an Internal Geometry

Series A: Two different models, designed to cover all aspects of general playing demands.

TU-A1.1: Designed and optimized for use on C tubas, but will work on Bb instruments.

TU-A1.2: Designed and optimized for use on Bb tubas, but will work on C instruments.

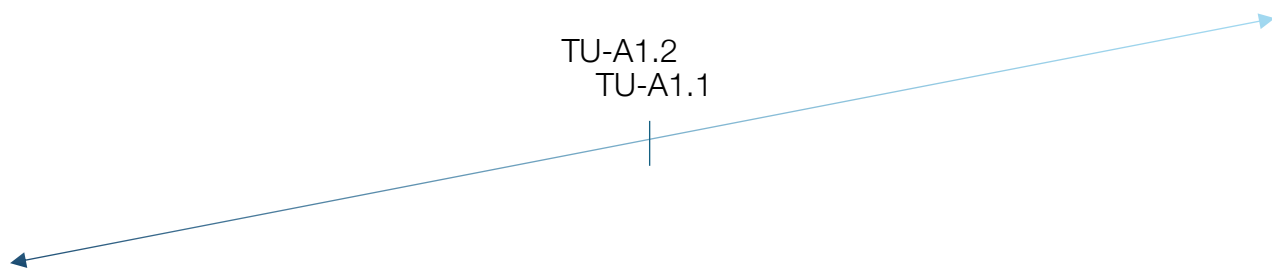


Step 2a: Shank

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Series Comparison

Research interest: The δ (delta) number is a dynamic internal labeling system which we use in-shop to objectively compare mouthpiece qualities using qualitative and quantitative data. Generally, a mouthpiece with a higher δ is perceived as ‘brighter’. Mouthpieces in the middle of this graph are good options for players seeking an “all-around” mouthpiece. We update these measurements based on real-time feedback from players, so you can hear it directly from your colleagues — interesting, right? If you have any questions about your selection, don’t hesitate to contact the shop via email at info@earnhartcompany.com and we will be glad to help you.



Custom Solutions

At The Earnhart Company, *we welcome custom work*—the entire shop workflow was structured to accommodate it, in a time frame that surprises. We request that all clients who desire to create a full custom mouthpiece—their own artist model—meet in-person, via video conference, or over the phone to get started. Generally, we will send you a custom test kit after your consultation to establish a baseline. This establishes a point of departure for both parties, and it's how we work efficiently.

We offer a custom package, priced to include a consultation and follow-up consultation, as well as a one-piece, silver plated mouthpiece, serialized and entered into our files. We are totally transparent about pricing, and want to serve you best.

The price you see below is what you will see on your invoice.

Custom Prices (2025 Catalog):

High Brass (trumpet, cornet, flugelhorn, horn): 200 USD

Low Brass (trombone, euphonium): 250 USD / Tuba: 270 USD

Additional services (to further fine tune your selection):

Fit kit: 30 USD

In-person acoustic diagnostic: 30 USD

Scanning/digitizing previous mouthpiece geometry: 50 USD

Plastic CNC machined prototype with brass shank: 40 USD

Additional mouthpiece: +90 USD at time of purchase (get a second mouthpiece for more than 50% off)



Fit Kits

At The Earnhart Company, we have an array of mouthpiece components which can be assembled into a 'fit kit' for your evaluation before your purchase, or as a baseline tool for custom work. Most commonly, clients request to test a Concept Model (standard model) before purchasing.

To request a test kit:

1. Email the shop at info@earnhartcompany.com to schedule a short phone consultation so we can understand your needs.
2. Pay the 30 USD fee for the test kit (covers shipping both ways and sterilization process upon return).



Alterations

We understand that sometimes it makes more sense, logistically and monetarily, to alter an existing mouthpiece. We are glad to offer the most commonly requested services in addition to our CNC capabilities and workflow. Below is our service list with prices:

Manual alterations:

Throat enlargement: 10 USD

Modify cup: 30 USD + plating

Modify rim: 30 USD + plating

Threading underpart for rim (any thread specification): 40 USD

Reduce shank diameter (in 0.0005" increments, raw brass): 30 USD



Plating and Finishing

All Earnhart mouthpieces come plated in .9999% pure bright silver, which is a durable and industry standard finish. Earnhart mouthpieces are, by default, sandblasted on the underpart, and polished on the rim. We offer plating and finishing services, which are listed below with prices. To add any of these services to your order, please email the shop at info@earnhartcompany.com.

Silver plating:

Refinish and plate high brass mouthpiece (2-week turnaround): 35 USD

Refinish and plate low brass mouthpiece (2 week turnaround): 55 USD

Refinish and plate tuba mouthpiece (2 week turnaround): 70 USD

Gold/rhodium plating:

Refinish and plate high brass mouthpiece (2-3-week turnaround): 90 USD

Refinish and plate low brass mouthpiece (2-3 week turnaround): 120 USD

Refinish and plate tuba mouthpiece (2-3 week turnaround): 190 USD

Custom finishes (orders only)

Full polish: 10 USD

Full sandblast: 10 USD

Custom engraving (limited to 15 characters): 15 USD



Trombone Trigger Thumb Rests

The original composite trigger, with solid brass nuts and genuine exotic wood inlays.

Only at The Earnhart Company.

Inlay options: cocobolo, blackwood

Metal nut finish options: raw brass, gold plate

Wood, raw brass: 60 USD

Wood, gold plated: 95 USD

Custom work by quote only, starting at 115 USD.





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