



Stainless Steel and Brass Mouthpieces

Tuba Mouthpiece Spec. Sheet

Version 5.0

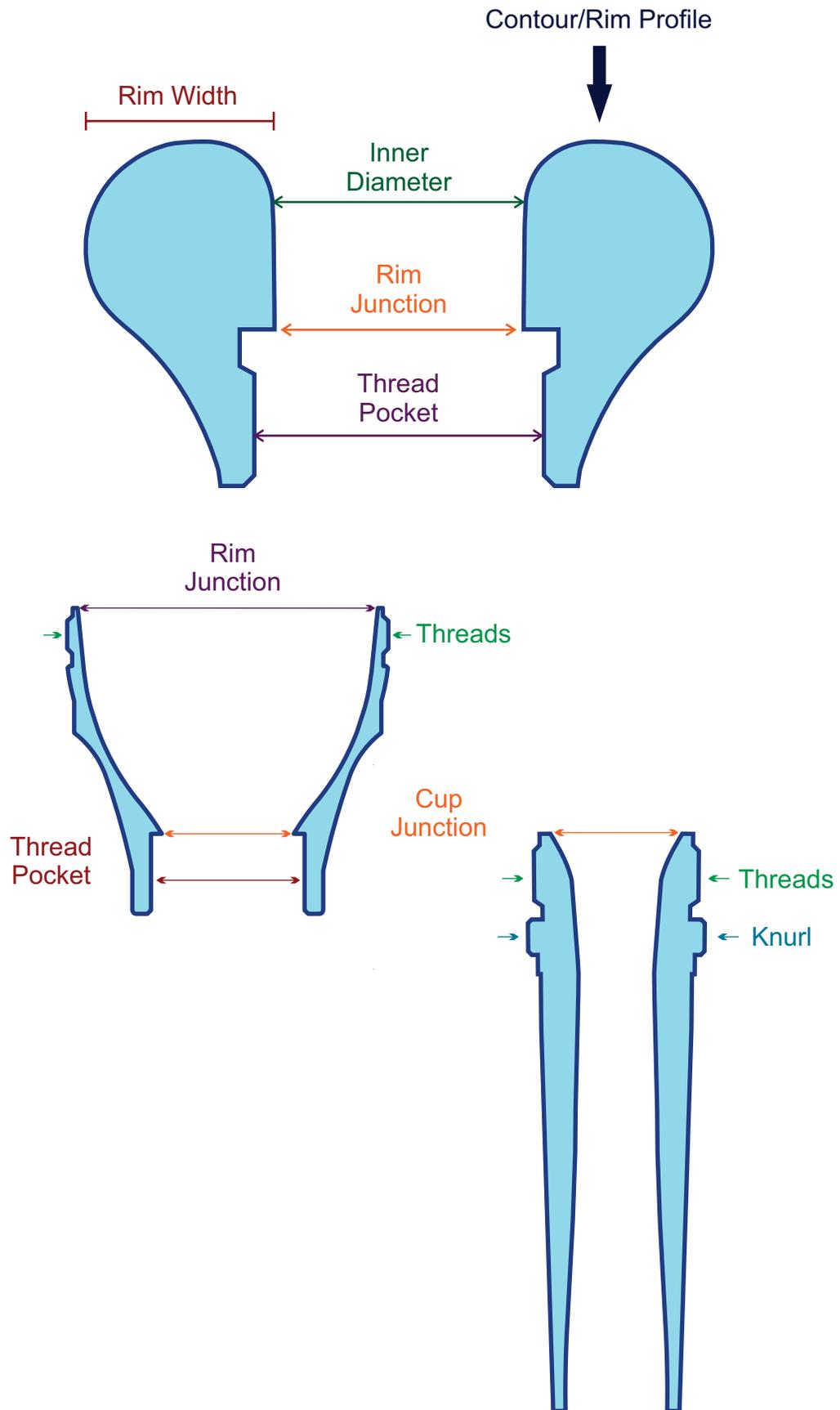
The Houser tuba mouthpiece line allows you to create your own mouthpiece tailored to fit your playing needs. This is done by choosing a screw rim, cup and shank to make a mouthpiece in a 3-piece configuration. This data sheet allows you to compare all of our rims and cups before you make a purchase. The profiles and cross-sections shown are for display purposes and may have been adjusted slightly to allow for scaling and comparison.

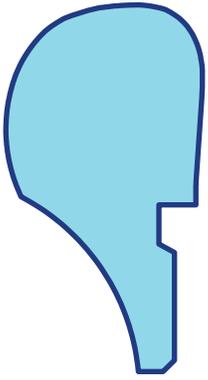
Our tuba rims and cups are made from stainless steel and may be optionally ordered with an H-Kote titanium nitride coating, to further enhance playing comfort. For players with metal allergies, there is no better solution available. Please check the website or contact us for availability.

All Screw Rims are interchangeable and will fit Sellmansberger, Parker, and older Mouthpiece Ordnance cup models. Each cup model has a set of corresponding screw shanks to give the desired combination needed, and the shanks are offered in the standard "American" size or the larger "European" size. For the "Imperial" cup model there is also a third "British" shank offered that is approximately the size of a bass trombone shank.

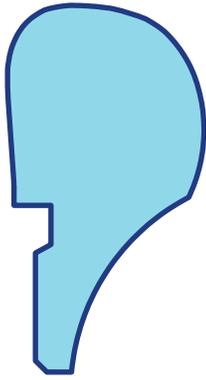
For more information or recommendations, please contact us, and we will be more than happy to help you find a tuba mouthpiece to suit your playing needs.

Tuba Mouthpiece Component Diagrams

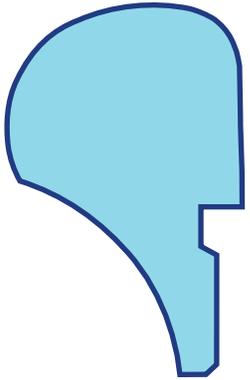
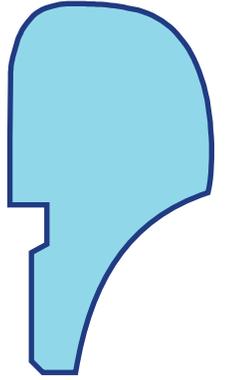




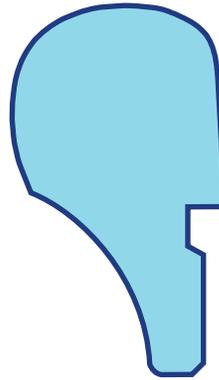
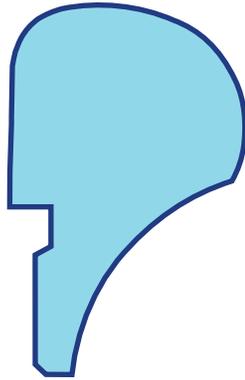
M.O. 32.0



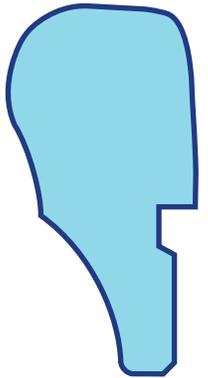
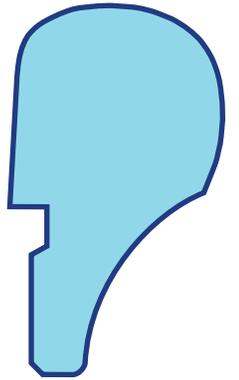
M.O. 32.3 LH



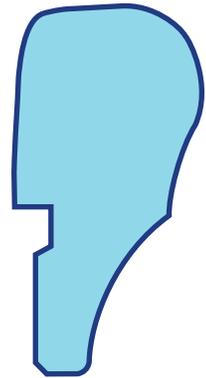
M.O. C4LA



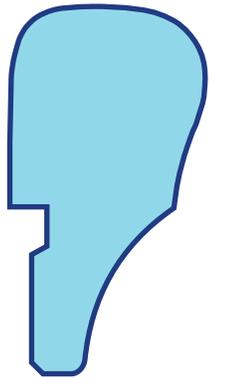
M.O. 33P



M.O. HBG

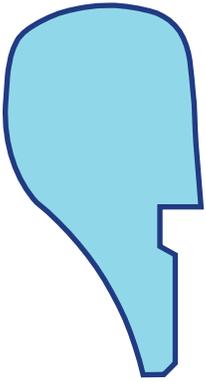


M.O. HBG MOD

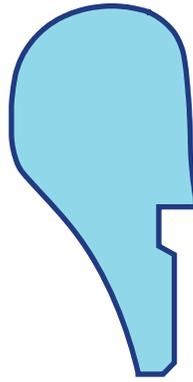
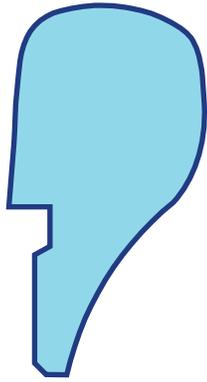


RIM MODEL	I.D. (mm.)	Width (mm.)	Cup Junction (mm)	Comments
Mouthpiece Ordinance				
M.O. 32.0	32.0mm	7.49mm	32.53mm	Helleberg II style with prominent inner edge "A"
M.O. 32.3 LH	32.3mm	7.52mm	32.53mm	Laskey style contour
M.O. 33P	33.2mm	7.80mm	32.53mm	PT88 style rim
M.O. C4LA	32.0mm, 32.3mm, 32.6mm	8.70mm	32.53mm	Older LA style C4 (32.6mm STD)
M.O. HBG	32.4mm, 32.6mm, 33.2mm, 33.5mm	7.11mm	32.53mm	Flat 1930's Conn style (SM, MED, LG, XL)
M.O. HBG MODIFIED	32.68mm, 33.2mm	7.34mm	32.53mm	Gently crowned for comfort (32.68mm STD)

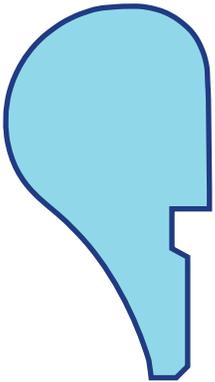
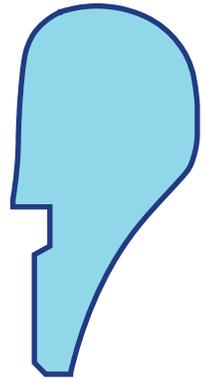
*** All screw rims are interchangeable between Mouthpiece Ordinance, Sellmansberger, and Parker products. ***



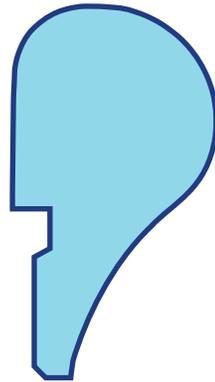
SELL #1



SELL #2



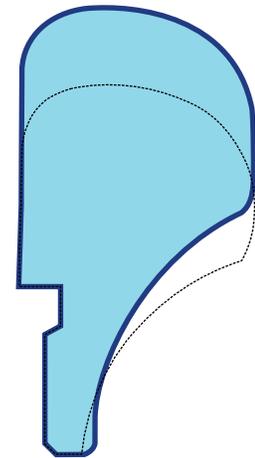
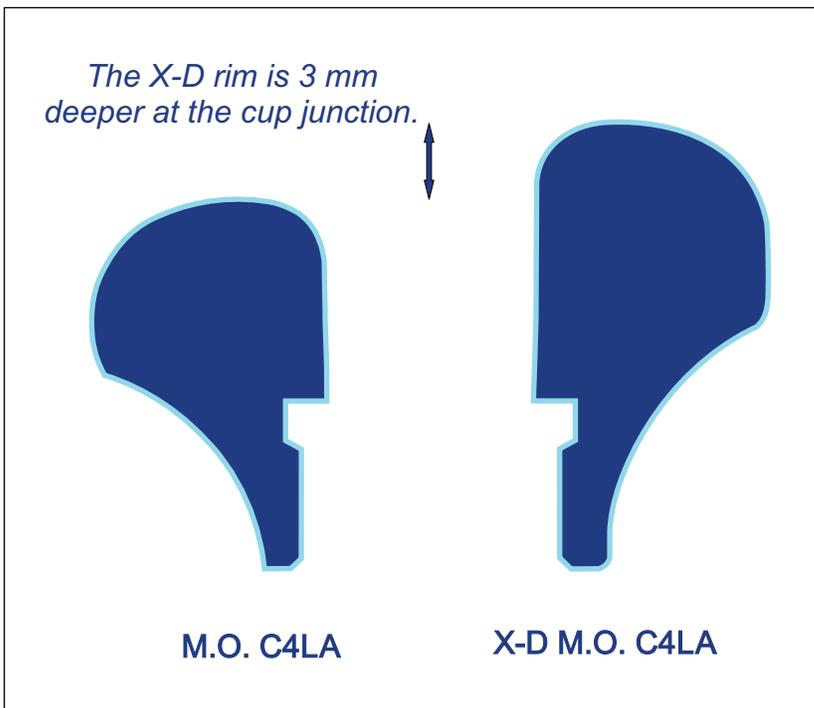
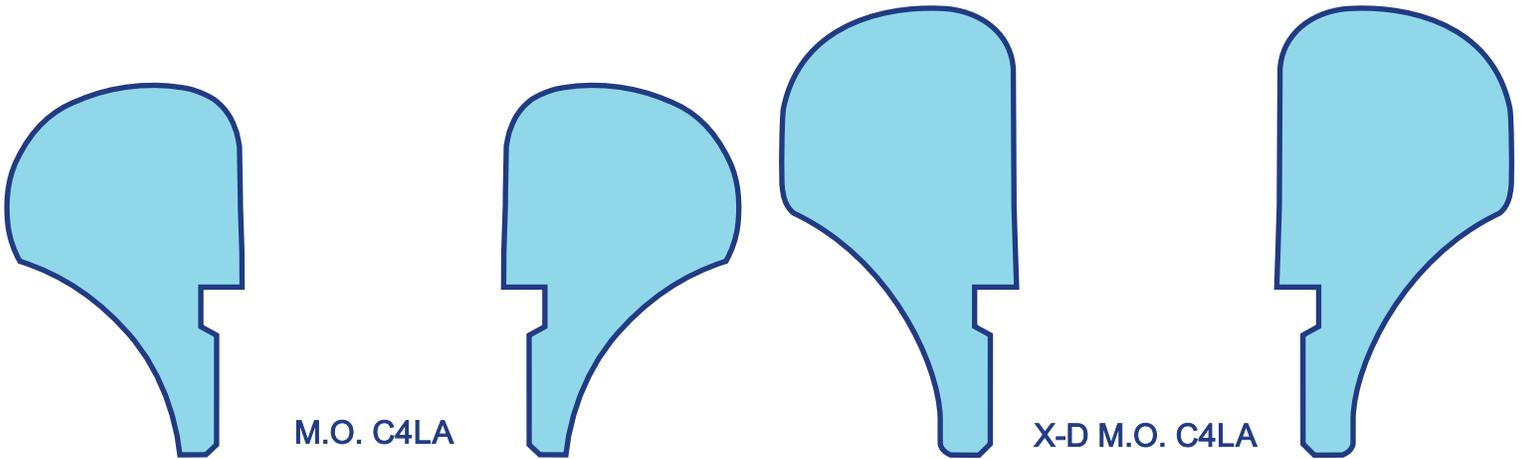
SELL HLB2



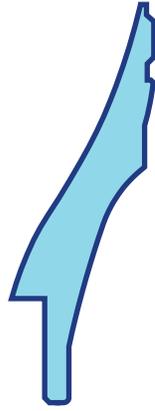
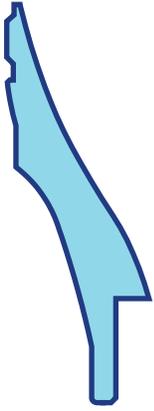
RIM MODEL	I.D. (mm.)	Width (mm.)	Cup Junction (mm)	Comments
Sellmansberger				
#1	32.3mm, 32.6mm, 33.2mm	7.00mm	32.53mm	Medium wide (33.2mm STD)
#2	32.3mm, 32.6mm, 33.2mm	6.65mm	32.53mm	Medium narrow (33.2mm STD)
HLB2 32.6MM	32.6mm, 33.2mm, 33.5mm	7.60mm	32.53mm	Helleberg II style with softer inner edge "B" (32.6mm STD)

*** All screw rims are interchangeable between Mouthpiece Ordnance, Sellmansberger, and Parker products. ***

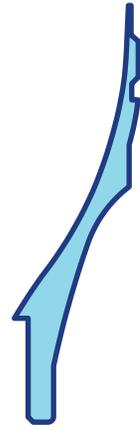
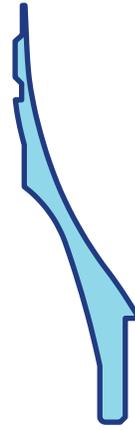
Comparison of a Standard and X-D Tuba Rim



The X-D tuba rims are an extra deep version of the standard sized tuba rims. They are 3 mm deeper at the cup junction. The Sellmansberger extra deep rims are labeled "Profundo" and the Mouthpiece Ordnance extra deep rims are labeled "X-D".

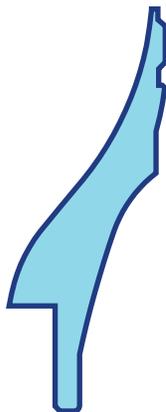
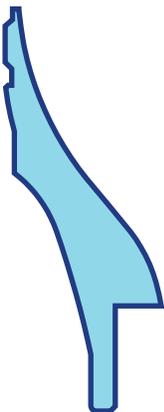


IMPERIAL

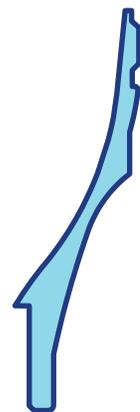
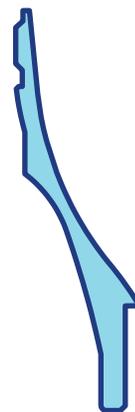


GRAND

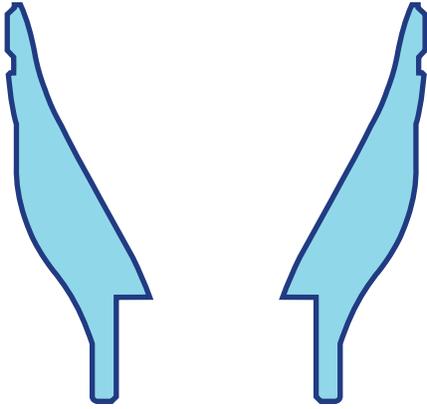
Cup Model	Comments
Sellmansberger Imperial	The Sellmansberger Imperial is a "compressed cone" cup, with intermediate depth, for large Eb tubas, quintet, and many other applications. When used with brighter 5/4 and 6/4 tubas, the Imperial will darken the sound and still leave a response of a medium-depth mouthpiece without sounding blatty.
Sellmansberger Orchestra Grand	The Sellmansberger Orchestra Grand is a symphonic style cup that is slightly broader at the top of the cup, as compared to the Symphony cup, and has slightly more volume. It can also be used with the Symphony screw shanks to give you more options. When used with the Symphony shanks, it features a counterbored throat for fast, low range response. The Grand shanks have a more standard, parallel bore, offering more resistance.
Sellmansberger Solo	The Sellmansberger Solo is a Waldkraiburg-style, wide, medium-shallow, bowl cup. It is popularly used with F, Eb, and 3/4 size tubas. The Solo can give a darker sounding 5/4 - 6/4 tuba a more clarified, core sound.
Sellmansberger Symphony	The Sellmansberger Symphony is a hybrid "conical swell" style cup that offers quick, low range response, with exceptional legato and pianissimo, as well as desired sonic control of low register stridency without dampening. It also offers maximum resonance for 4/4 - 6/4 tubas. The Symphony cup can also be used with the Orch. Grand screw shanks to give you more options. When used with the Symphony shanks, it features a counterbored throat for fast, low range response. The Grand shanks have a more standard, parallel bore, offering more resistance.



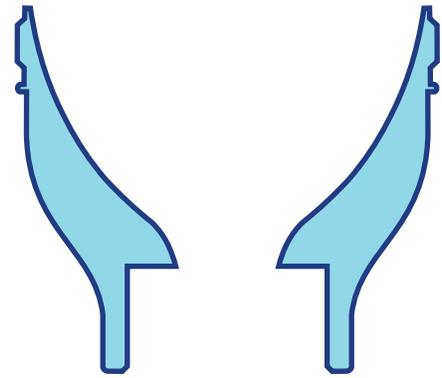
SOLO



SYMPHONY

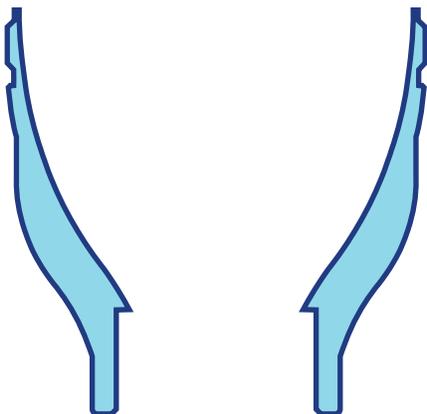


BEL CANTO

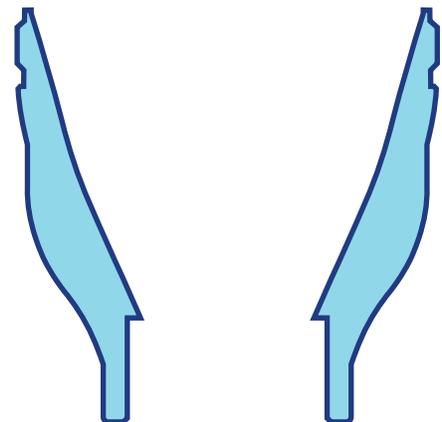


CANTABILE

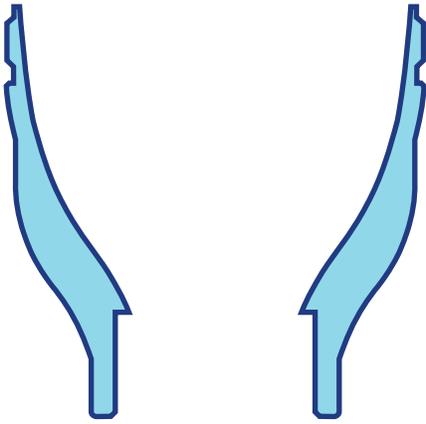
Cup Model	Comments
<p>Parker Bel Canto</p>	<p>The Parker-Bel Canto has a medium shallow cup and is well suited for chamber, solo, and higher orchestra playing. This mouthpiece is ideal for Eb/F tubas and smaller 3/4 BBb and CC tubas. The tone is rich, focused, and easily controlled. Fundamentals are centered, with many additional tone colors and flexibility. The Bel Canto is an excellent mouthpiece for solo literature and works like the Damnation of Faust, Petroushka, and Mahler's 1st Symphony from the orchestral repertoire.</p>
<p>Parker Cantabile</p>	<p>The Parker-Cantabile has a medium shallow cup and is a good option for solo, chamber and brighter/higher orchestral playing. This mouthpiece works well with smaller contra bass tubas and is especially in depth for Eb/F tubas. This could be the choice mouthpiece for a quintet player, playing on any keyed tuba. The Cantabile offers a lot of functional appeal to the working player, and intonation and fundamentals are well centered. The flexibility of the Cantabile makes it a great mouthpiece for works like Lohengrin and Symphony Fantastique.</p>
<p>Parker CJH cb M</p>	<p>The Parker-CJH cb M (contrabass medium) has a medium large cup best suited for CC and BBb tubas playing in Orchestra and Band. The size of the cup, along with the variable backbores, allows this mouthpiece to work well in chamber and solo settings, as well as on Eb/F tubas. Designed for Chris Hall, principal tuba with the New York Metropolitan Opera, this mouthpiece is well-focused and colorful. As per Chris' request, we offer this cup in both stainless steel and brass.</p>
<p>Parker Helleberg</p>	<p>The Parker-Helleberg is a medium-large cup, well suited for orchestra and band playing. The tone is open, dark, and clear with a focused fundamental core and projection. The dynamic control and stability of the low register makes the Helleberg ideal for works like Prokofiev's 5th Symphony, Hindemith's Symphonic Metamorphosis, and Grainger's Lincolnshire Posie. The intonation on the mouthpiece is very precise and consistent. The partials in all registers slot very well making it an excellent mouthpiece for works like Wagner's Overture to Die Meistersinger and Introduction to Act III of Lohengrin.</p>



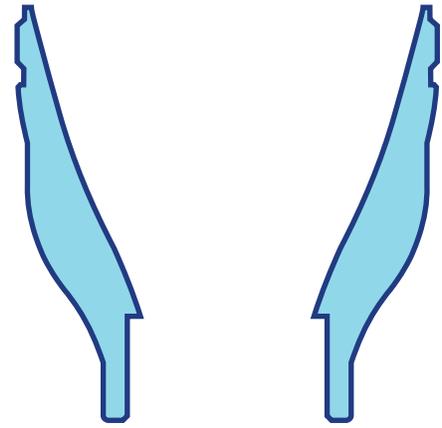
CJH cb M



HELLEBERG

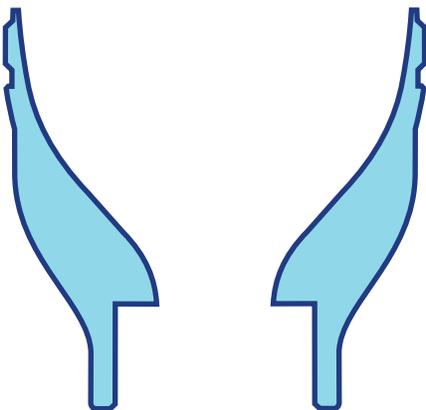


HERSEY



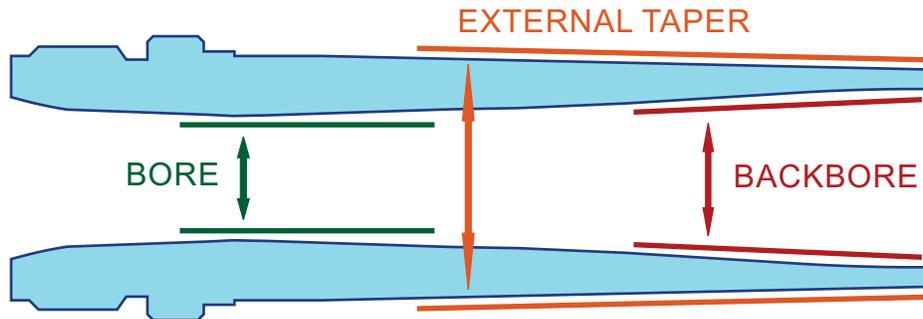
HITZ

Cup Model	Comments
<p>Parker Hersey</p>	<p>The Parker-Hersey model has a large-sized cup and works well for larger instruments and ensembles. Designed for Joanna Ross Hersey, this mouthpiece has a unique and rich, dark, focused tone. This mouthpiece pairs well specifically with bigger tubas, but also adds a new dimension of depth to smaller horns. This mouthpiece is frequently used with an extended depth rim, creating an even bigger cup. Joanna plays her Hersey model with the HBG MOD 32.68 XD rim.</p>
<p>Parker Hitz</p>	<p>The Parker-Hitz is a medium sized cup that works well for quintet, orchestra, and band playing. The tone of the mouthpiece is dark and mellow. Intonation on the Hitz model is very centered and even throughout all partials. Designed for Andrew Hitz of the Boston Brass, this mouthpiece is geared for the player who has to play a little bit of everything. From Stan Kenton arrangements, quintet classics, solo playing, Shostakovich string quartet transcriptions and everything in between- this is the perfect mouthpiece for the cross style player.</p>
<p>Parker Titan</p>	<p>The Parker-Titan has a medium cup and is targeted for the orchestral bass tuba, as well as for solo and chamber playing. This mouthpiece also works well with contra bass tubas and is especially geared for Eb/F tubas that need the strength and clarity to support a large orchestra. This could be the choice mouthpiece for a quintet player playing on any keyed tuba and will serve well for larger Eb/F playing. The Titan offers a lot of practical appeal to the orchestra player, and intonation and fundamentals are well centered. The flexibility of the Titan makes it a great mouthpiece for works like Petrushka and Mahler's 1st Symphony.</p>



TITAN

Components of a 3PC Tuba Shank

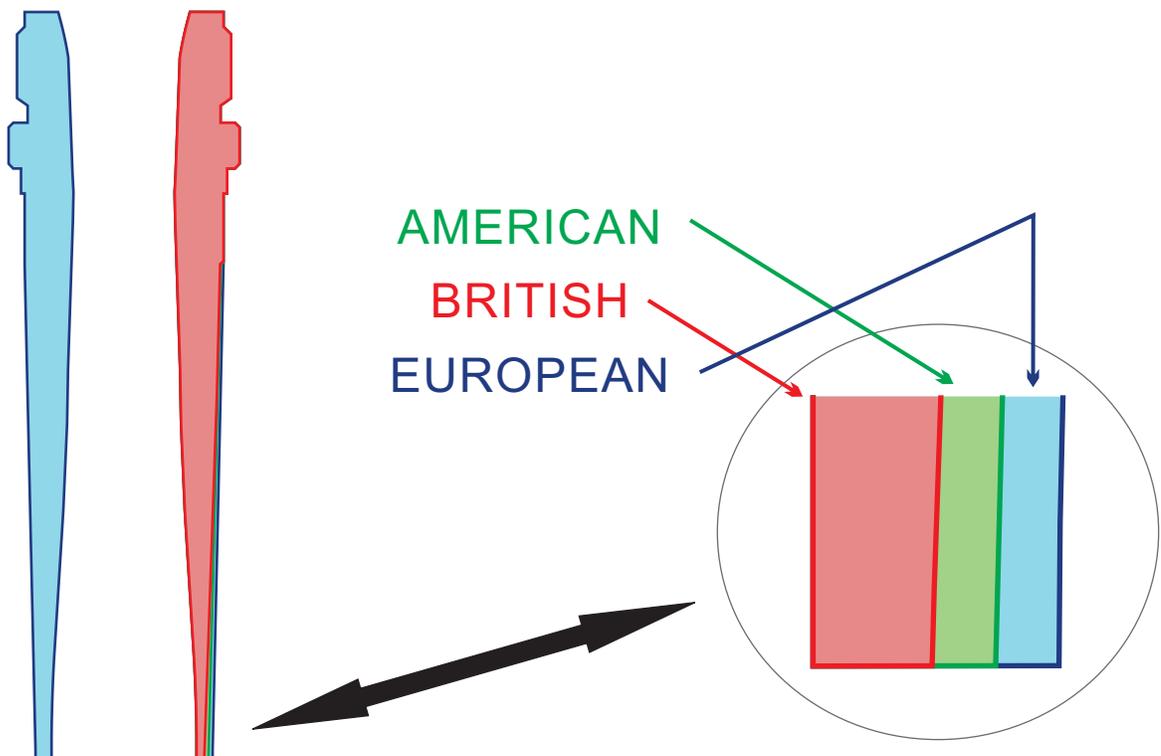


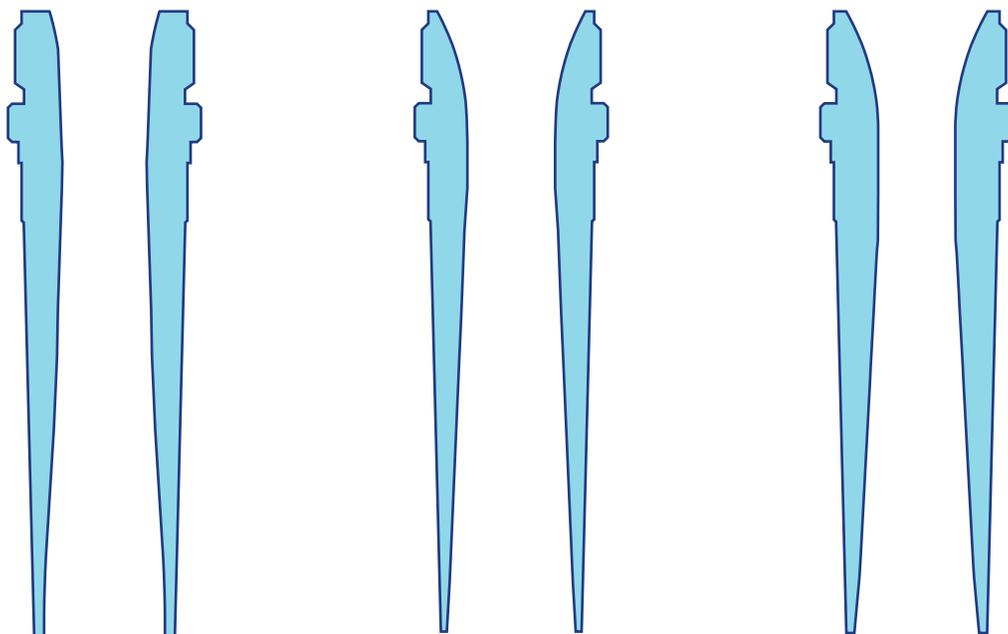
BORE: The bore refers to the drill size.

EXTERNAL TAPER: The external taper determines the seating depth of the mouthpiece.

BACKBORE: The backbore refers to the internal taper.

Tuba Shank Exterior Taper Profiles





IMPERIAL

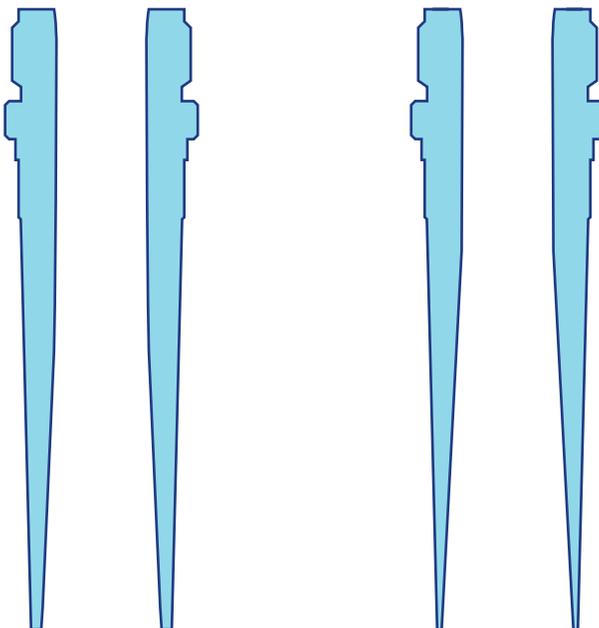
GRAND

SYMPHONY

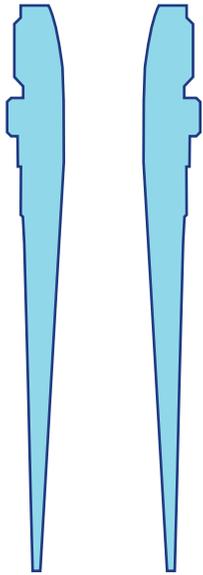
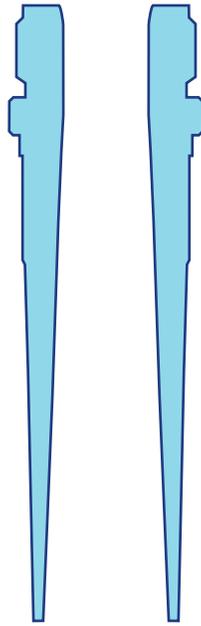
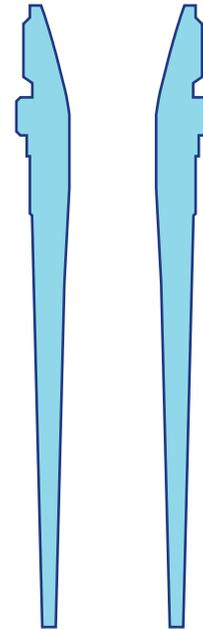
Cup Model	Bore Size* (in)	Bore Size* (mm)	Comments
Sellmansberger Imperial	0.323	8.2	Available in the British, American and European exterior tapers.
Sellmansberger Orchestra Grand	0.315	8.0	Can be used interchangeably with the Symphony and Grand cups to give you more options. The Grand shanks have a more standard, parallel bore, offering more resistance. Available in both the American and European exterior tapers.
Sellmansberger Solo	0.323	8.2	The difference between the Solo #1 and #2 is the backbore. The #1 backbore gives less color, but more focus, whereas the #2 backbore is more open with a slightly wider taper, giving more color to the sound. The Solo #1 backbore is only available in the American exterior taper. The #2 is available in both the American and European exterior tapers.
Sellmansberger Symphony	0.323	8.2	Can be used interchangeably with the Symphony and Grand cups to give you more options. The Symphony shanks feature a counterbored throat for fast, low range response. Available in both the American and European exterior tapers.

SOLO (1)

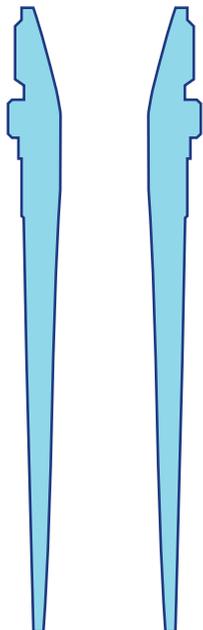
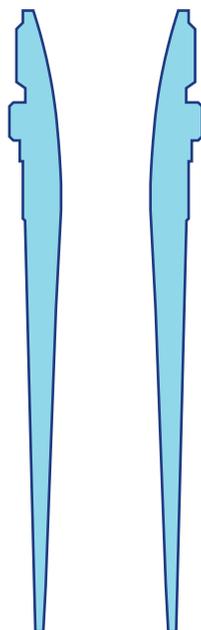
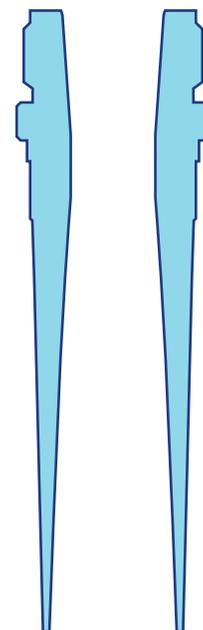
SOLO (2)



* The bore is completely contained within the screw shank portion of the mouthpiece.

**BEL CANTO****CANTABILE****HELLEBERG**

Cup Model	Bore Size* (in)	Bore Size* (mm)	Comments
Parker Bel Canto	0.302	7.67	Available in both the American and European exterior tapers.
Parker Cantabile	0.291	7.40	Available in both the American and European exterior tapers.
Parker Helleberg	0.330	8.38	Available in both the American and European exterior tapers.
Parker Hersey	0.333	8.47	Available in both the American and European exterior tapers.
Parker Hitz	0.335	8.50	Available in both the American and European exterior tapers.
Parker Titan	0.295	7.49	Available in both the American and European exterior tapers.

HERSEY**HITZ****TITAN**

* The bore is completely contained within the screw shank portion of the mouthpiece.