GPI-1680 ROLL-ON FINISH COMPATIBLE WITH STEL® CAPSULES



TECHNICAL BULLETIN

(see drawing on page 4)

This bulletin is to inform you of the revision to the standard GPI-1680 glass finish specification. This revision as outlined below allows the glass container manufacturers to work to and provide their customer base one standard finish construction for both Liquor and Wine end use containers.

The Design and Specifications Committee of the Glass Packaging Institute have consulted a major capsule supplier for their input and agreement on the following revisions.

In Figure 1 are photos of aluminum capsules for Liquor (BVP finish) and Wine (BVS finish) containers. The differences between these systems are found in the liner type, application of the capsules, and dimensional specifications.

The Liquor capsule is applied with a <u>top</u> seal pressure block, whereas the Wine capsule is applied with a <u>top</u> and <u>side</u> seal pressure block. Note the side seal at the top of the Wine capsule. Upon application of the Wine capsule, the <u>top</u> and <u>side</u> seal pressure block redraws the aluminum capsule elongating it approximately .020" [0.5 mm]. Due to this elongation during application, the Wine finish "L" dimension on the container's mold neck is also increased .020" [.51 mm].



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FIGURE 1

Wine Capsule

Liquor Capsule



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The "S" and "H" dimensions for the Wine finish (BVS) have also been increased .045" [1.15 mm] and .041" [1.05 mm] respectively to allow the pressure block to form the side seal without interfering with the thread start and also maintaining sufficient thread travel and engagement. See Figure 2.

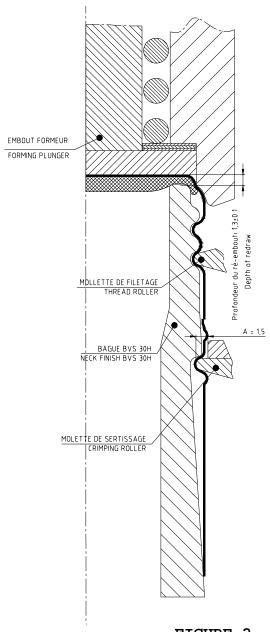


FIGURE 2



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These major revisions are on the attached GPI-1680 drawing, 1680-03, dated 06/15/2005 and are as follows:

"S" dimension revised to .110" [2.79mm] from .065" [1.65mm] on sizes 30 mm diameter and above.

"H" dimension revised to .409" [10.39mm] from .368" [9.35mm] on sizes 30 mm diameter and above.

"L" dimension increased .020" [.51mm] on sizes 30 mm diameter and above, along with neck angle controls at the "K" diameter.

Current users of the GPI-1680 finish will need to work with their glass container and closure suppliers to transition into the revised finish. The closure manufacturer working with the Design and Specification Committee has advised that both the top seal pressure block and the top and side seal pressure block can be utilized for this revised finish.

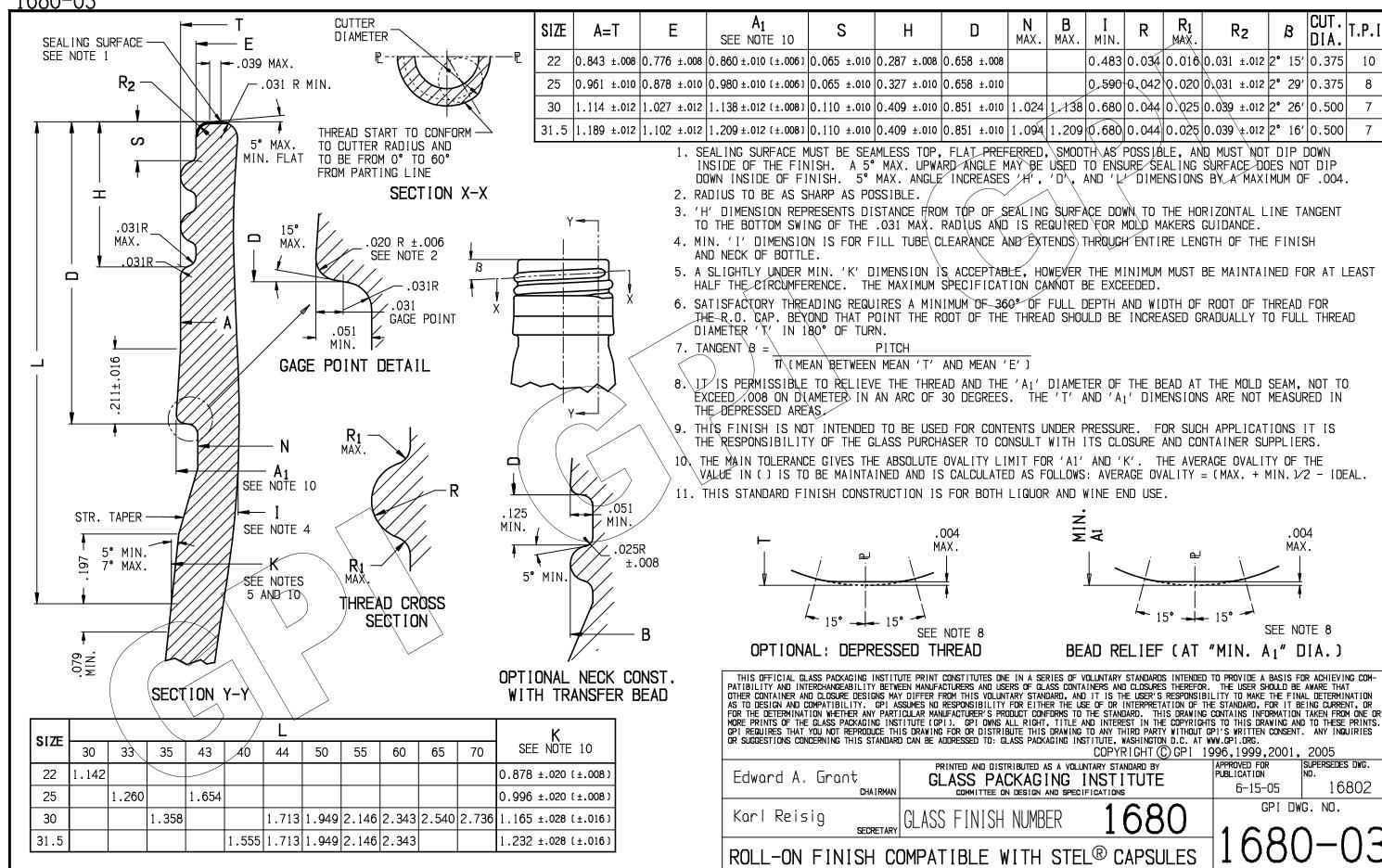
For Wine end use the top and side seal pressure block is necessary and is the only new part that is required on the capping head. Current capping head thread rollers will need to be adjusted .045" [1.15 mm] for the proper location on the revised finish. For Wine containers, the vertical load pressure on the top of the closure is 360 lbf \pm 40 lbf on the 30mm and 31.5mm sizes.

For Liquor end use the $\underline{\text{top}}$ seal pressure block will not need to be replaced but the current capping head thread rollers will need to be adjusted .045" [1.15 mm] for the proper location on the revised finish. For Liquor containers, the vertical load pressure on the top of the closure is 270 lbf \pm 40 lbf on the 30mm and 31.5mm sizes.

We ask that you contact your glass container and closure manufacturers for planning the transition of the revised GPI-1680 Finish, and also for any further questions you may have in regards to this transition.

Best regards,

Design & Specifications Committee of The Glass Packaging Institute. 1680-03



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SEE NOTE 8

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SUPERSEDES DWG.

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