



| SIZE | C  | T  | E  | B  | L     | S     | K     | I     |
|------|--|--|--|--|-------|-------|-------|-------|
| 26   | 0.780 $\begin{smallmatrix} +.013 \\ -.012 \end{smallmatrix}$ | 1.050 $\begin{smallmatrix} +.013 \\ -.012 \end{smallmatrix}$ | 1.010 $\begin{smallmatrix} +.013 \\ -.012 \end{smallmatrix}$ | 1.125 $\begin{smallmatrix} +.031 \\ -.015 \end{smallmatrix}$ | 0.250 | 0.088 | 0.234 | 0.635 |

- FOR IDEAL SEALING OF CROWN LINER THE INNER LIP MUST BE SHARP CORNERED TO .031 MAX. RADIUS.
- CERTAIN CAPPING EQUIPMENT REQUIRES THAT NECK CONTOUR BE WITHIN LIMITS OF RECOMMENDED GAUGE CONTOUR.
- THE ANGLE OF THE CUTTER TO THE FIXTURE IS EQUAL TO THE HELIX ANGLE.
- THE SEALING SURFACE IS SHOWN BY THE HEAVY LINE.
- 'I' DIMENSION IS MEASURED THROUGH ENTIRE FINISH AND NECK OF BOTTLE.
- THE 'C' DIMENSION MUST BE MAINTAINED AS SHOWN, USING A CYLINDRICAL TYPE GAUGE, MEASURED .031 DOWN FROM TOP OF FINISH.
- THE 'S' DIMENSION REPRESENTS THE DISTANCE FROM THE TOP OF FINISH TO A CONSTRUCTION POINT MEASURED AT THE FIRST FULL START OF THREAD. THE 'K' DIMENSION IS THE VERTICAL DISTANCE FROM THE TOP OF THE FINISH TO THE BOTTOM SWING OF .016 CREST RADIUS OF THE THREAD CONTOUR AT THE LOWEST POINT AT THE END OF THREAD.
- SEALING SURFACE OF THE FINISH NOT TO BE OUT OF PARALLEL WITH BASE OF BOTTLE IN EXCESS OF .025.
- THREADS MUST NOT BE DEPRESSED.
- TOP OF FINISH SHOULD BE FREE OF RADIAL SEAMS AND IN ORDER TO PREVENT CHIPPING WHEN USING CERTAIN TYPES OF OPENERS, ITS DIAMETER MUST NOT EXCEED 'E' DIAMETER AT HORIZONTAL PARTING LINE. UNDERMATCH AT GUIDE RING IS CONSIDERED TO BE IDEAL IF MADE .000 TO .005. TO PROVIDE FOR GUIDE RING SHIFT, +.008 UNDERMATCH IS PERMITTED ON MAXIMUM SIDE ONLY.
- NECK RING IS PARTED THROUGH SINGLE THREAD.
- PROPER APPLICATION AND FUNCTION OF CLOSURE REQUIRES THAT VARIATIONS IN THE 'E' DIAMETER SHOULD FOLLOW THOSE OF 'T' SUBJECT TO NORMAL MANUFACTURING CONDITIONS, INCLUDING THE THREAD PROFILE ILLUSTRATED.
- THE .007 FLAT SHOWN IN THE THREAD CROSS SECTION DETAIL IS OPTIONAL. WHEN THE FLAT IS NOT USED, THE 'S' DIMENSION SHOULD BE ADJUSTED TO .095 MAX.
- TANGENT B =  $\frac{\text{LEAD}}{\pi (\text{MEAN BETWEEN MEAN 'T' AND MEAN 'E'})}$
- IT IS THE RESPONSIBILITY OF THE GLASS CONTAINER PURCHASER TO CONSULT WITH ITS CLOSURE AND CONTAINER SUPPLIERS TO DETERMINE THE APPROPRIATE PRESSURE LIMITS FOR THE COMBINATION OF THE CONTAINER, ITS FINISH, AND THE CLOSURE CHOSEN, WHEN THE CONTAINER WILL BE SUBJECTED TO PRESSURE OR USED FOR CONTENTS UNDER PRESSURE.

THIS OFFICIAL GLASS PACKAGING INSTITUTE PRINT CONSTITUTES ONE IN A SERIES OF VOLUNTARY STANDARDS INTENDED TO PROVIDE A BASIS FOR ACHIEVING COMPATIBILITY AND INTERCHANGEABILITY BETWEEN MANUFACTURERS AND USERS OF GLASS CONTAINERS AND CLOSURES THEREFOR. THE USER SHOULD BE AWARE THAT OTHER CONTAINER AND CLOSURE DESIGNS MAY DIFFER FROM THIS VOLUNTARY STANDARD, AND IT IS THE USER'S RESPONSIBILITY TO MAKE THE FINAL DETERMINATION AS TO DESIGN AND COMPATIBILITY. GPI ASSUMES NO RESPONSIBILITY FOR EITHER THE USE OF OR INTERPRETATION OF THE STANDARD, FOR IT BEING CURRENT, OR FOR THE DETERMINATION WHETHER ANY PARTICULAR MANUFACTURER'S PRODUCT CONFORMS TO THE STANDARD. THIS DRAWING CONTAINS INFORMATION TAKEN FROM ONE OR MORE PRINTS OF THE GLASS PACKAGING INSTITUTE (GPI). GPI OWNS ALL RIGHT, TITLE AND INTEREST IN THE COPYRIGHTS TO THIS DRAWING AND TO THESE PRINTS. GPI REQUIRES THAT YOU NOT REPRODUCE THIS DRAWING FOR OR DISTRIBUTE THIS DRAWING TO ANY THIRD PARTY WITHOUT GPI'S WRITTEN CONSENT. ANY INQUIRIES OR SUGGESTIONS CONCERNING THIS STANDARD CAN BE ADDRESSED TO THE GLASS PACKAGING INSTITUTE, WASHINGTON D.C. AT WWW.GPI.ORG.

EDWARD A. GRANT  
CHAIRMAN

PRINTED AND DISTRIBUTED AS A VOLUNTARY STANDARD BY  
**GLASS PACKAGING INSTITUTE**  
COMMITTEE ON DESIGN AND SPECIFICATIONS

APPROVED FOR PUBLICATION  
01-15-99

SUPERSEDES DWG. NO.  
5012

GLASS FINISH NUMBER  
**500**

GPI DWG. NO.  
**5013**

THREADED CROWN FINISH