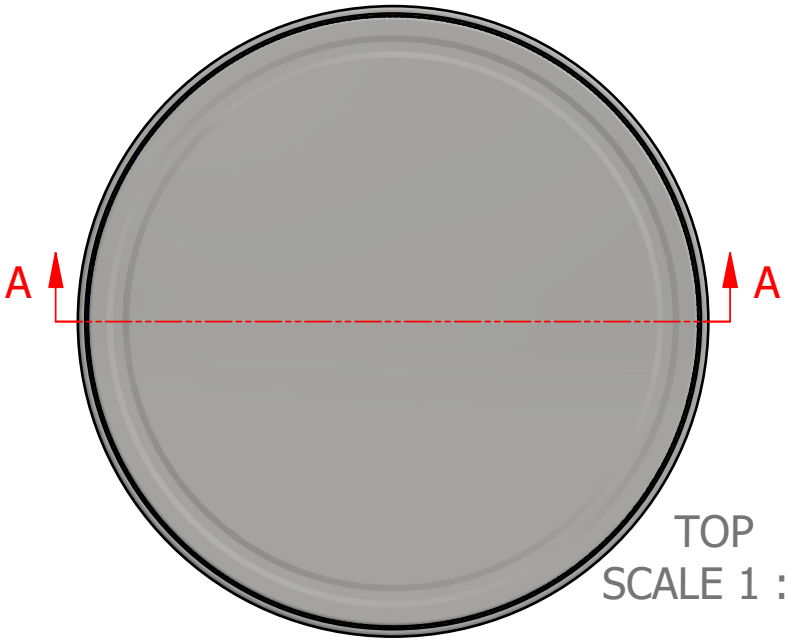


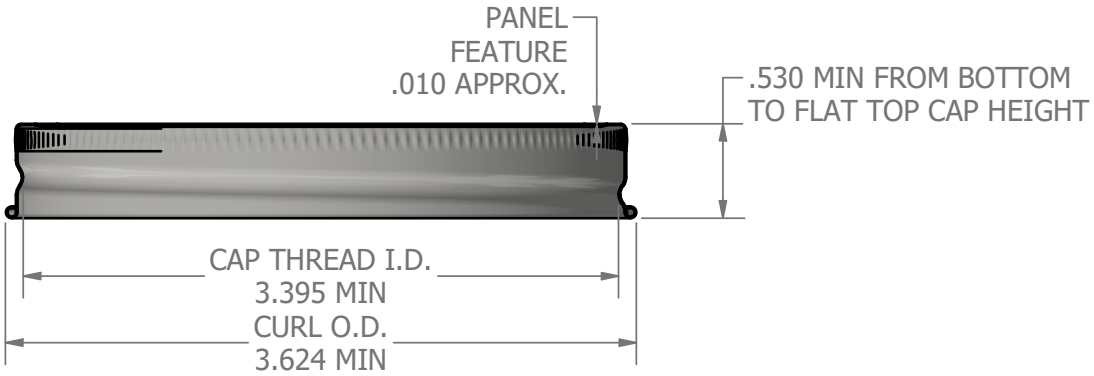
TOP
SCALE 1 : 1

NOTES:

1) CAPS ARE SUITABLE FOR GLASS FINISH GPI 89-400

2) DIMENSION OF THREAD INTERNAL DIAMETER TAKEN WITH A PLUG GAGE

3) FLAT RING DEPRESSED STACKING FEATURE IS ACHIEVED BY REDUCING THE HEIGHT OF THE FLAT RING APPROXIMATELY .010" WHILE MAINTAINING THE MIN. OVERALL HEIGHT OF THE FLAT CAP



SECTION A-A
SCALE 1 : 1

DISTRIBUTED BY: Pipeline Packaging

REF NO.: DWG30859

DESCRIPTION: DescriptionDescriptionDescriptionDescriptionDescription

TS-I (HD)

High-Density Polyethylene Liner

TS-I (HD) is a primary liner that has white pigmented, high-density polyethylene, with a gloss finish, as the product contact surface. This liner provides reseal and good barrier to moisture, and moderate barrier to oxygen. TS-I (HD) is compatible with a wide range of products. This primary liner is most typically backed with pulp, but it is also available with paper or polystyrene backing. TS-I (HD) is available plain or waxed.

Structure

Material		Thickness* (Mils)	Thickness* (Microns)
Pulp		As specified	As specified
Bleached Kraft		3.2	81.3
High-Density Polyethylene		1.0	25.4
Total (add specified pulp thickness)	Product	3.5**	88.9**

* The information listed reflects target values, and there will be variation in these values within acceptable industry standards (± 10%).
** Note: The thickness of the total structure may not necessarily be the sum of the individual layers, and the total thickness reported is based upon actual measurements.

FDA Status

All components and the manufacture of this seal comply with the U.S. Federal Government's Code of Federal Regulations 21CFR177.1210, Closures with sealing gaskets for food containers. Information pertaining to Tech-Seal Products, Inc. and its products are entered into Drug Master File 14762.

Physical Properties

Appearance: **Non-Product Side** Matte Manila **Product Side** Gloss White

Pinholes (Qty/Yd²): < 6

Oxygen Transmission Rate (cc / 100 in² /24 hr @ 75° F, 50% R. H.): < 350.0

Moisture Vapor Transmission Rate (g / 100 in² / 24 hr @ 100° F, 90% R.H.): < 1.0