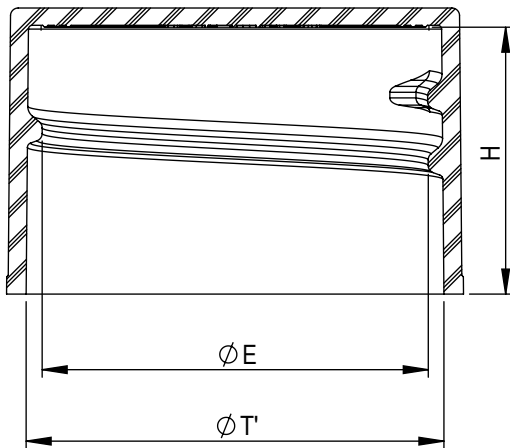
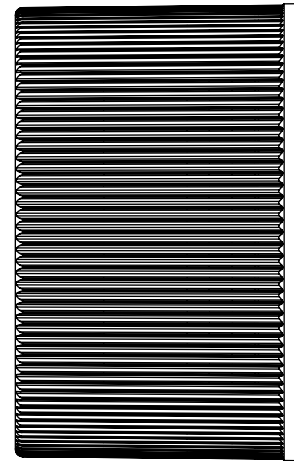
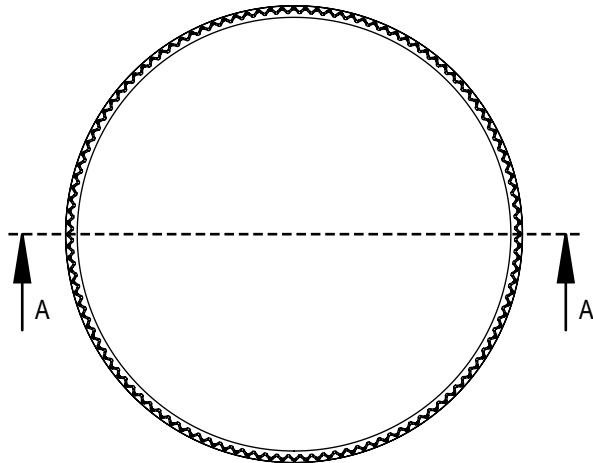
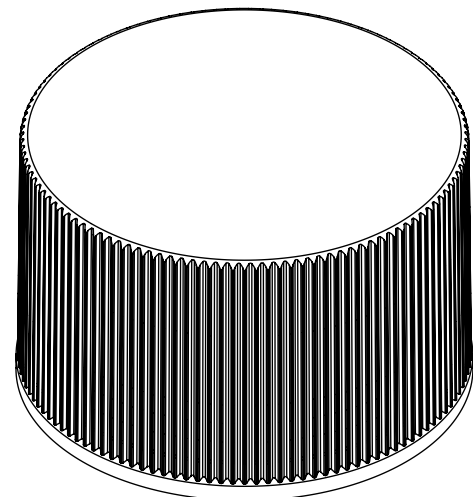




SECTION A-A



SCALE 1:1

STATIC TORQUE RECOMMENDATION: 12-21 in-lbs  
REQUIREMENT MAY VARY DEPENDING UPON CONTAINER MATERIAL,  
NECK FINISH, AND CAPPING EQUIPMENT

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS  
AND NO TOLERANCE LIMITS ARE ESTABLISHED

DIMENSIONS PRECEDED BY AN \*\*\* INDICATE THE DIMENSION IS  
PROCESS SENSITIVE. PROCESS SENSITIVE DIMENSIONS ARE  
VERIFIED TO BE WITHIN THE TOLERANCE LIMITS DURING THE  
PRODUCTION RUN. ALL REMAINING DIMENSIONS ARE VERIFIED AT  
PRODUCTION VALIDATION.

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THE PART DIMENSIONS DEPICTED ARE THOSE WHICH HAVE GENERALLY BEEN FOUND TO BE FUNCTIONAL BASED ON INDUSTRY EXPERIENCE.  
BECAUSE OF VARIABILITY IN CONTAINER FINISHES, EACH CLOSURE/FINISH SYSTEM SHOULD BE INDIVIDUALLY EVALUATED AND TESTED TO  
ENSURE IT MEETS APPLICABLE PERFORMANCE CRITERIA.

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| REFERENCE                                                                                 | DIMENSION     | TOLERANCE     | UNITS   |
|-------------------------------------------------------------------------------------------|---------------|---------------|---------|
| E                                                                                         | 1.013 [25.73] | ±0.010 [0.25] | in [mm] |
| T'                                                                                        | 1.088 [27.64] | ±0.010 [0.25] | in [mm] |
| H                                                                                         | 0.695 [17.65] | ±0.010 [0.25] | in [mm] |
| OAH                                                                                       | 0.745 [18.92] | ±0.010 [0.25] | in [mm] |
| OD                                                                                        | 1.197 [30.40] | ±0.010 [0.25] | in [mm] |
| PART WEIGHT                                                                               | 2.55          | ±0.50         | g       |
| THREAD DETAIL INFORMATION: 6 THREADS PER INCH 0.167" [4.24] PITCH 495° FULL DEPTH THREADS |               |               |         |
| DRAWN BY:                                                                                 | CAN           | 4/19/2022     |         |
| ENG APPR:                                                                                 | BDG           | 5/21/2025     |         |
| QA APPR:                                                                                  | TEM           | 05/21/2025    |         |



DRAWING TITLE:  
**28-410 CT Closure**  
RL (Ribbed Side)

MATERIAL: POLYPROPYLENE

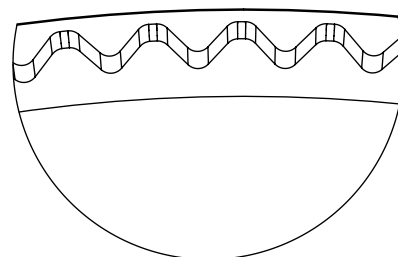
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REPLACES DRAWINGS: C-8030

MODEL NUMBER: PM 10890 28-410 CT\_RL

DWG SIZE: 8.5" x 11" DRAWING NUMBER: REVISION:

SCALE: 2:1 SHEET: 1 OF 3 CQA-10620 00.AC



- GATE LOCATION



**MRP**  
solutions  
Packaging with purpose.

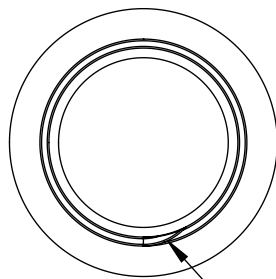
DRAWING TITLE:  
**28-410 CT Closure**  
RL (Ribbed Side)

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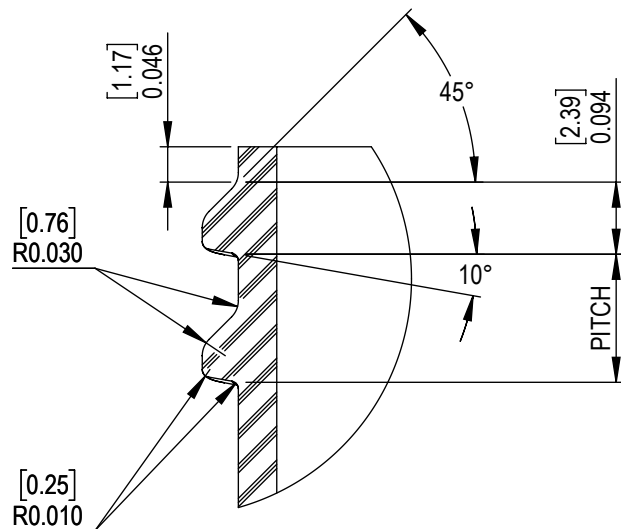
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| DRAWING TYPE: CUSTOMER | DISTRIBUTION CODE: D |
|------------------------|----------------------|

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|-----------|------------|-----------------|-----------|
| DWG SIZE: | 8.5" x 11" | DRAWING NUMBER: | REVISION: |
|-----------|------------|-----------------|-----------|

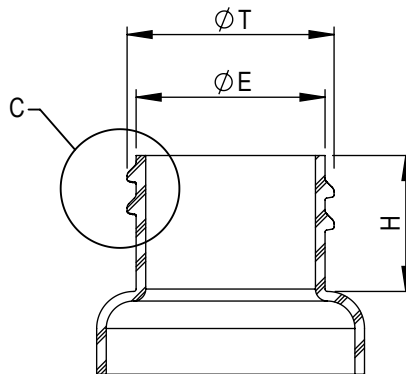
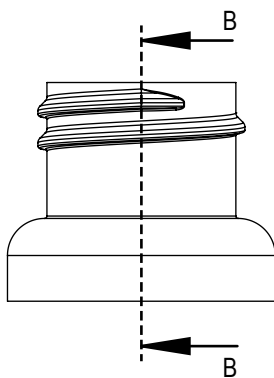
|        |        |           |       |
|--------|--------|-----------|-------|
| SCALE: | SHEET: | COA-10620 | 00 AC |
|--------|--------|-----------|-------|



THREAD START



DETAIL C  
SCALE 4 : 1  
THREAD DETAIL



SECTION B-B

RECOMMENDED NECK FINISH IS DETERMINED FOR PROPER FUNCTIONAL PERFORMANCE WITH MRP SOLUTIONS. USE OF MRP SOLUTIONS CLOSURE WITH CONTAINER NOT MATCHING RECOMMENDED NECK FINISH SHOULD BE TESTED AND CONFIRMED FOR APPLICATION BY THE USER.

NOMINAL ORIENTATION OF CLOSURE (IF INDICATED) IS BASED ON NOMINAL DIMENSIONS OF BOTH CLOSURE AND RECOMMENDED NECK FINISH. FOR EXACT ORIENTATION, EACH CONTAINER SHOULD BE EVALUATED ON A CASE BY CASE BASIS.

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

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NECK FINISH DIMENSIONS ASSUME ZERO THICKNESS (NO) LINER

| REFERENCE        | DIMENSION     | TOLERANCE      | UNITS   |
|------------------|---------------|----------------|---------|
| Ø E              | 0.984 [24.99] | ± 0.010 [0.25] | in [mm] |
| Ø T              | 1.068 [27.13] | ± 0.010 [0.25] | in [mm] |
| S                | 0.046 [1.17]  | ±0.015 [0.38 ] | in [mm] |
| H                | 0.705 [17.91] | MINIMUM        | in [mm] |
| THREADS PER INCH | 6             |                |         |
| PITCH            | 0.167 [4.23]  |                | in [mm] |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |
|                  |               |                |         |



DRAWING TITLE:  
**28-410 CT Closure**  
RL (Ribbed Side)  
RECOMMENDED NECK FINISH

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|                        |                 |                      |       |
|------------------------|-----------------|----------------------|-------|
| DRAWING TYPE: CUSTOMER |                 | DISTRIBUTION CODE: D |       |
| DWG SIZE: 8.5" x 11"   | DRAWING NUMBER: | REVISION:            |       |
| SCALE: 1:1 & NOTED     | SHEET: 3 OF 3   | CQA-10620            | 00.AC |

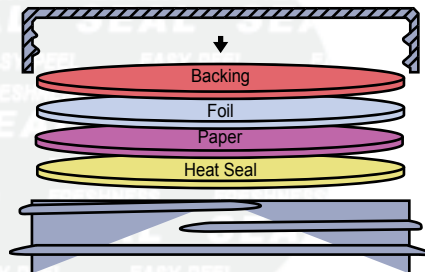


# FoilSeal™ Technical Data Sheet

**.008" C1S FS 5-4**

Revision: FS54-05062020

MRP Description - (854)FS5-4/C1S.008 R SFYP

|                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                                                                                                                                                                                                                                                                                                            | .008" C1S FS 5-4                                                                                                                                                                                                                                                                                                  |                                                            |                                                                                                                                                                                                                                                                                                                  |
| Scope                                                                                                                                                                                                                                                                                                              | One piece board backed heat induction foil innerseal which combines ease of removal with tamper-evident properties. It is suggested for sealing to PE, PP, PET, PVC, PS and properly treated glass containers. This material will vent gas through the paper layer and is suggested for use on dry products only. |                                                            |                                                                                                                                                                                                                                                                                                                  |
| Composition                                                                                                                                                                                                                                                                                                        | Material                                                                                                                                                                                                                                                                                                          | Standard                                                   | Metric                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                    | Backing                                                                                                                                                                                                                                                                                                           | .008"                                                      | .2032 mm                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                    | Foil                                                                                                                                                                                                                                                                                                              | .001"                                                      | .0254 mm                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                    | Paper                                                                                                                                                                                                                                                                                                             | .002"                                                      | .0508 mm                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                    | Heat Seal                                                                                                                                                                                                                                                                                                         | .0015"                                                     | .0381 mm                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                                                                                                                                                                                                                                                  |
| Adhesive or resin bonding layers not shown.                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                                                                                                                                                                                                                                                  |
| FDA Status:                                                                                                                                                                                                                                                                                                        | 21 CFR 177.1210, Food Types per Table 3: I, II, III, & VIII (Dry products) and Conditions of Use per Table 4: E, F, & G                                                                                                                                                                                           |                                                            | Recommended Storage and Handling: Refer to Website.                                                                                                                                                                                                                                                              |
| Drug Master File (DMF):                                                                                                                                                                                                                                                                                            | Type III<br>DMF #4544                                                                                                                                                                                                                                                                                             | EU / EP Reg.:                                              | Compliant with Reg. EC/10/2011, Reg. EC/1935/2004 and Reg. EC/2023/2006, as amended, for use with dry, non-fatty, and non-alcoholic food products only. If used incorrectly, the liner may have an effect on the organoleptic properties of the product under EC/1935/2004 Article 3 and EC/2023/2006 Article 3a |
| GTR Oxygen:                                                                                                                                                                                                                                                                                                        | 77.0 cc Oxygen/100 IN2 * 24hrs. @ 100° F, ASTM F-2622-08                                                                                                                                                                                                                                                          | MVTR: 0.371 gm water/100IN2 * 24 hrs. @ 75° F, ASTM F-1249 |                                                                                                                                                                                                                                                                                                                  |
| Sealing to glass containers: Selig can not guarantee the performance or seal integrity of this materials when applied to any glass (treated or untreated) container. We suggest you contact your glass supplier for recommendations on glass treatments that may or may not improve performance or seal integrity. |                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                                                                                                                                                                                                                                                  |
| Print Location (if any): Heat Seal Layer and/or Backing                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                                                                                                                                                                                                                                                  |

Selig materials are compliant with current USFDA Food allergen Guidelines.

Selig materials are compliant with California Proposition 65 labeling requirements.

Selig materials are compliant with limitation of heavy metals in packaging per CONEG & EU 94/62/EC, article 11.

MSDS's are not required as Selig is not a chemical manufacturer or distributor and our products are 'articles' intended for food packaging per 29 CFR 1910.1200 (HazCom).

The information contained within this product data bulletin is to be used as a general guide in determining which structures are offered for sealing to specific container materials. All of the information which we provide is reliable to the best of our knowledge, but the accuracy thereof is not guaranteed. We suggest that consumers determine suitability for their own application.

www.seligsealing.com